
Liste de publications de Claude H. Moog

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A : Publications en revues spécialisées avec comité de lecture

- [1] C. MOOG, "Comments on Decentralized Controller with Online Interaction Trajectory Improvement", Proc. IEE Part D, 128, 4, 1981, p. 162.
<http://dx.doi.org/10.1049/ip-d.1981.0032>
- [2] C.H. MOOG and J.E.R. CURY, "Comments on Localization of Disturbances and Output Decomposition in Decentralized Linear Multivariable Systems", Int. J. Contr., 34, 6, 1981, pp. 1221-1223. <http://dx.doi.org/10.1080/00207178108922595>
- [3] J.E.R. CURY, P. GUERCHET and C.H. MOOG, "Disturbance Decoupling Problem in Decentralized Linear Multivariable Systems", Int. J. Contr., 35, 6, 1982, pp. 957-964.
<http://dx.doi.org/10.1080/00207178208922664>
- [4] P. GUERCHET, C.H. MOOG and J.E.R. CURY, "Computation of a Decentralized Disturbance Decoupling Control for a Distillation Column", Int. J. Syst. Sci., 14, 1, 1983, pp. 75-85. <http://dx.doi.org/10.1080/00207728308926443>
- [5] J. Descusse et C. Moog. Decoupling with Dynamic Compensation for Strong Invertible Affine Non Linear Systems. International Journal of Control, 1985, 42, (6). Pages:1387--1398. <http://dx.doi.org/10.1080/00207178508933432>
- [6] J. Descusse et C. Moog. Dynamic Decoupling for Right-Invertible Nonlinear Systems. Systems and Control Letters, Mars, 1987, 8, (4). Pages:345--349.
[http://dx.doi.org/10.1016/0167-6911\(87\)90101-0](http://dx.doi.org/10.1016/0167-6911(87)90101-0)
- [7] C.H. Moog et J.W. Grizzle. Découplage Non Linéaire vu de l'Algèbre Linéaire. Comptes Rendus Acad. Sciences Paris, Ser. I, 1988, 307, Pages:497--500.
<http://gallica.bnf.fr/ark:/12148/bpt6k5490687f>
- [8] G. Conte, C.H. Moog et A.M. Perdon. Un Théorème sur la Représentation Entrée-Sortie d'un Système Non Linéaire. Comptes Rendus Acad. Sciences Paris, Ser. I, 1988, 307, Pages:363--366. <http://gallica.bnf.fr/ark:/12148/bpt6k5490736g>
- [9] A. Glumineau et C. Moog. Essential Orders and Nonlinear Decoupling. International Journal of Control, 1989, 50, (5). Pages:1825--1834.
<http://dx.doi.org/10.1080/00207178908953468>
- [10] M.D. Di Benedetto, J.W. Grizzle et C. Moog. Rank Invariants for Nonlinear Systems. SIAM Journal of Control and Optimization, 1989, 27, (3). Pages:658--672.
<http://dx.doi.org/10.1137/0327035>
- [11] C. Moog, A.M. Perdon et G. Conte. Model Matching and Factorization for Nonlinear Systems : a Structural Approach. SIAM Journal of Control and Optimization, 1991, 29, (4). Pages:769--785. <http://dx.doi.org/10.1137/0329042>

- [12] A. Glumineau et C. Moog. Nonlinear Morgan's Problem : Case of (p+1) Inputs and p Outputs. IEEE Transactions on Automatic Control, Juillet, 1992, 37, (7). Pages: 1067--1072. <http://dx.doi.org/10.1109/9.148375>
- [13] G. Conte, A.M. Perdon et C. Moog. The Differential Field Associated to a General Analytic Nonlinear Dynamical System. IEEE Transactions on Automatic Control, Juillet, 1993, 38, (7). Pages:1120--1124. <http://dx.doi.org/10.1109/9.231468>
- [14] A. Glumineau, M. Hamy, C. Lanier et C. Moog. Robust Control of a Brushless Servo Motor via Sliding Modes Techniques. International Journal on Control, 1993, 58, Pages:979--990. <http://dx.doi.org/10.1080/00207179308923039>
- [15] A.M. Perdon, Y.F. Zheng, C. Moog et G. Conte. Disturbance Decoupling for Nonlinear Systems : a Unified Approach. Kybernetika, 1993, 29, Pages:479--484. <http://www.kybernetika.cz/content/1993/5/479/paper.pdf>
- [16] M.D. Di Benedetto, A. Glumineau et C.H. Moog. Découplage Entrée-Sortie des Systèmes Non Linéaires par Retour Dynamique Pur. Comptes Rendus Acad. Sciences Paris, Ser. I, 1993, 316, Pages:101--106. <http://gallica.bnf.fr/ark:/12148/bpt6k5471009x>
- [17] Y. Aït-Amirat, S. Diop et C.H. Moog. Un Nouvel Algorithme de Structure. Comptes Rendus Acad. Sciences Paris, Ser. I, 1993, 317, Pages:103--108. <http://gallica.bnf.fr/ark:/12148/bpt6k5808224h>
- [18] M.D. Di Benedetto, A. Glumineau et C. Moog. The Nonlinear Interactor and its Application to Input-Output Decoupling. IEEE Transactions on Automatic Control, Juin, 1994, 39, (6). Pages:1246--1250. <http://dx.doi.org/10.1109/9.293188>
- [19] R. Castro-Linares et C.H. Moog. Structure Invariance for Uncertain Nonlinear Systems. IEEE Transactions on Automatic Control, 1994, 39, (10). Pages:127--132. <http://dx.doi.org/10.1109/9.328808>
- [20] Y. Aoustin, C. Chevallereau, A. Glumineau et C. Moog. "Experimental Results for the End-effector Control of a Single Flexible Robotic Arm". IEEE Transactions on Control Systems Technology, 1994, 2, (4). Pages:371-381. <http://dx.doi.org/10.1109/87.338658>
- [21] E. Aranda-Bricaire, C.H. Moog et J.B. Pomet. A Linear Algebraic Framework for Dynamic Feedback Linearization. IEEE Transactions on Automatic Control, Janvier, 1995, 40, (1). Pages:127--132. <http://dx.doi.org/10.1109/9.362886>
- [22] R. Andiarti et C.H. Moog. Controllability and optimization in the aeroassisted orbital transfer. AIAA Journal of Guidance, Control and Dynamics, 1995, 18, Pages:911--913. <http://dx.doi.org/10.2514/3.21478>
- [23] A. Glumineau, C.H. Moog et F. Plestan. New algebro-geometric conditions for the linearization by input-output injection. IEEE Transactions on Automatic Control, Avril, 1996, 41, (4). Pages:598--603. <http://dx.doi.org/10.1109/9.489283>
- [24] E. Aranda-Bricaire, U. Kotta et C.H. Moog. Linearization of discrete-time systems. SIAM Journal of Control and Optimization, 1996, 34, (6). Pages:1999--2023. <http://dx.doi.org/10.1137/S0363012994267315>

- [25] R. Andiarti et C.H. Moog. Output feedback disturbance decoupling in nonlinear systems. IEEE Transactions on Automatic Control, Novembre, 1996, 41, (11). Pages:1683--1689. <http://dx.doi.org/10.1109/9.544009>
- [26] H.J.C. Huijberts, C.H. Moog et R. Andiarti. Generalized controlled invariance for nonlinear systems. SIAM Journal of Control and Optimization, 1997, 35, Pages:953--979. <http://dx.doi.org/10.1137/S0363012994277190>
- [27] C.H. Moog, A.M. Perdon et G. Conte. Canonical Decomposition of Non-linear Systems. Automatica, 1997, 33, Pages:1561--1565. [http://dx.doi.org/10.1016/S0005-1098\(97\)00073-3](http://dx.doi.org/10.1016/S0005-1098(97)00073-3)
- [28] C.H. Moog. Nonlinear Decoupling and Structure at Infinity. Mathematics of Control, Signals, and Systems, 1998, 1, (3). Pages:257--268. <http://dx.doi.org/10.1007/BF02551287>
- [29] X. Xia et C. Moog. Disturbance decoupling by measurement feedback for SISO nonlinear systems. IEEE Transactions on Automatic Control, 1999, 44, (7). Pages:1425-1429. <http://dx.doi.org/10.1109/9.774115>
- [30] H.J.C. Huijberts, C. Moog et R. Pothin. Input-output decoupling of nonlinear systems by static measurement feedback. Systems and Control Letters, 2000, 39, Pages:109-114. [http://dx.doi.org/10.1016/S0167-6911\(99\)00095-X](http://dx.doi.org/10.1016/S0167-6911(99)00095-X)
- [31] C.H. Moog, R. Castro-Linares, M. Velasco-Villa et L.A. Marquez-Martinez. The Disturbance Decoupling Problem for Time-Delay Nonlinear Systems. IEEE Transactions on Automatic Control, 2000, 45, (2). Pages:305-309. <http://dx.doi.org/10.1109/9.839954>
- [32] L.A. Marquez-Martinez, C. Moog et M. Velasco-Villa. The Structure of Nonlinear Time-Delay Systems. Kybernetika, 2000, 36, (1). Pages:53--62. http://www.kybernetika.cz/view_file.html?item=1669
- [33] L.A. Marquez-Martinez et C. Moog. Trajectory tracking control for nonlinear time-delay systems. Kybernetika, 2001, 37, Pages:370-380. http://dml.cz/bitstream/handle/10338.dmlcz/135417/Kybernetika_37-2001-4_1.pdf
- [34] X. Xia, C. Moog et R. Pothin. Extended output injection and output feedback input-output linearization. Electronics Letters, 2002, 38, Pages:200-202. <http://dx.doi.org/10.1049/el:20020116>
- [35] X. Xia, L.A. Marquez-Martinez, P. Zagalak et C. Moog. Analysis of nonlinear time-delay systems using modules over non-commutative rings. Automatica, Septembre, 2002, 38, (9). Pages:1549-1555. [http://dx.doi.org/10.1016/S0005-1098\(02\)00051-1](http://dx.doi.org/10.1016/S0005-1098(02)00051-1)
- [36] M. Malabre, Ch. Commault, J.M. Dion, C. Moog et P. Zagalak. Editorial, Special Issue on "System Structure and Control". Kybernetika, Novembre, 2002, 38, (5). Pages:501-502.
- [37] L.A. Marquez-Martinez, C. Moog et M. Velasco-Villa. Observability and observers for nonlinear systems with time delays. Kybernetika, 2002, 38, (4). Pages:445-456. http://www.kybernetika.cz/view_file.html?item=1786
- [38] R. Pothin, C. Moog et X. Xia. Disturbance decoupling of nonlinear MISO systems by static measurement feedback. Kybernetika, 2002, 38, (5). Pages:601-608. Special issue on "System Structure and Control". <http://www.kybernetika.cz/content/2002/5/601/paper.pdf>

- [39] X. Xia et C.H. Moog. Identifiability of nonlinear systems with application to HIV/AIDS models. IEEE Transactions on Automatic Control, Fevrier, 2003, 48, (2). Pages:330-336. <http://dx.doi.org/10.1109/TAC.2002.808494>
- [40] L.A. Marquez-Martinez et C. Moog. Input-output feedback linearization of Time-Delay Systems. IEEE Transactions on Automatic Control, 2004, Pages:781-786. vol. 49, no. 5, May 2004. <http://dx.doi.org/10.1109/TAC.2004.825978>
- [41] E. Aranda-Bricaire et C. Moog. Invariant codistributions and the feedforward form for discrete-time nonlinear systems. Systems and Control Letters, 2004, Pages:113-122. vol. 52, N° 2, June 2004. <http://dx.doi.org/10.1016/j.sysconle.2003.11.005>
- [42] J.W. Grizzle, C.H. Moog et C. Chevallereau. Nonlinear Control of Mechanical Systems with an Unactuated Cyclic Variable. IEEE Transactions on Automatic Control, May 2005, Pages:559 - 576. VOL. 50. <http://dx.doi.org/10.1109/TAC.2005.847057>
- [43] M. Di Loreto, L. Boillereaux, G. Conte, G. Giuliani et C. Moog. Experimentation of Melting Kinetics Control in a Convective Food Thawing Process. IEEE Transactions on Control Systems Technology, 2005, Pages:826--831. Vol. 13, 5. <http://dx.doi.org/10.1109/TCST.2005.852120>
- [44] J. Zhang, X. Xia et C. Moog. Parameter Identifiability of Nonlinear Systems with Time-Delay. IEEE Transactions on Automatic Control, 2006, 51, Pages:371 - 375. <http://dx.doi.org/10.1109/TAC.2005.863497>
- [45] L.A. Marquez-Martinez et C.H. Moog. Disturbance decoupling for nonlinear time-delay . Asian Journal of Control, Juin, 2007, 2, (9). Pages:190-194. <http://dx.doi.org/10.1111/j.1934-6093.2007.tb00322.x>
- [46] L. A. Marquez Martinez et C. H. Moog. New insights on the analysis of nonlinear time-delay systems: Application to the triangular equivalence . Systems and Control Letters, Fevrier, 2007, 56, (2). Pages:133-140. <http://dx.doi.org/10.1016/j.sysconle.2006.08.004>. <http://dx.doi.org/10.1016/j.sysconle.2006.08.004>
- [47] H J. Estrada Garcia, O. Peñaloza Mejia, C.H. Moog et L. A. Marquez Martinez. Trajectory Tracking Problem: Causal Solutions for Nonlinear Time-Delay Systems. International Journal on Control, 2008, 81, (8). Pages:1202 – 1209. <http://dx.doi.org/10.1080/00207170701271928>
- [48] D. A. Ouattara, M.J. Mhawej et C.H. Moog. Clinical tests of therapeutical failures based on mathematical modeling of the HIV infection. Joint issue of IEEE Transactions on CAS I and IEEE Transactions on Automatic Control on Systems Biology, Janvier, 2008, 53, Pages: 230 - 241. <http://dx.doi.org/10.1109/TAC.2007.911332>
- [49] E. Aranda-Bricaire et C.H. Moog. Linearization of discrete-time systems by exogenous dynamic feedback. Automatica, Juillet, 2008, 44, (7). Pages:1707-1717. Regular paper. <http://dx.doi.org/10.1016/j.automatica.2007.10.030>
- [50] M. J. Mhawej, C. Brunet-Francois, R. Fonteneau, D. Ernst, V. Ferre, G.B Stan, F. Raffi et C.H. Moog. Apoptosis characterizes immunological failure of HIV infected patients. Control Engineering Practice, vol. 17, n° 7, 2009, pp. 798-804. <http://dx.doi.org/10.1016/j.conengprac.2009.01.001>

- [51] M. J. Mhawej, C.H. Moog, F. Biafore et C. Brunet-François, Control of the HIV infection and drug dosage, Biomedical Signal Processing and Control 5 (2010) pp. 45-52
<http://dx.doi.org/10.1016/j.bspc.2009.05.001>
- [52] J.F. Zhang, C.H. Moog, et X. Xia, Realization of multivariable nonlinear systems via the approaches of differential forms and differential algebra, Kybernetika, vol. 46, N° 5 (2010) pp. 799-830. <https://hal.archives-ouvertes.fr/hal-00583186>
<http://www.kybernetika.cz/content/2010/5/799/paper.pdf>
- [53] A. Garate-Garcia, L.A. Marquez-Martinez et C.H. Moog, Equivalence of linear time-delay systems, IEEE Transactions on Automatic Control, **56**, 3 (2011), pp. 666-670.
<http://dx.doi.org/10.1109/TAC.2010.2095550>
- [54] C. Califano, L.A. Marquez-Martinez et C.H. Moog, Extended Lie brackets for nonlinear time-delay systems, IEEE Transactions on Automatic Control, **56**, 9 (2011), pp. 2213-2218. <http://dx.doi.org/10.1109/TAC.2011.2157405>
- [55] X. Wu, L.A. Marquez-Martinez, C.H. Moog et Y. Hu, A Singular Perturbation Approach to Moving Mass Control of a Buoyancy-Driven Airship in Three Dimension, Transactions of Nanjing University of Aeronautics & Astronautics, **28**, 9 (2011), pp. 343-352.
- [56] P.S. Rivadeneira et C.H. Moog, Impulsive control of single-input nonlinear systems with application to HIV dynamics, Applied Mathematics and Computation, **218**, 17(2012), pp. 8462-8474. <http://dx.doi.org/10.1016/j.amc.2012.01.071>
- [57] X. Wu, C.H. Moog, L.A. Marquez-Martinez et Y. Hu, Full model of a Buoyancy-Driven Airship and its control in the vertical plane, Aerospace Science and Technology, **26**, 1 (2013), pp. 138–152. <http://dx.doi.org/10.1016/j.ast.2012.02.022>
- [58] C. Califano, S. Li and C.H. Moog, Controllability of driftless nonlinear time-delay systems, Systems & Control Letters, **62**, 3 (2013), pp. 294–301.
<http://dx.doi.org/10.1016/j.sysconle.2012.11.023>
- [59] C. Califano, L.A. Marquez Martinez and C.H. Moog, Linearization of time-delay systems by input-output injection and output transformation, Automatica, Volume 49, Issue 6, June 2013, Pages 1932–1940. <http://dx.doi.org/10.1016/j.automatica.2013.03.001>
- [60] C. Califano and C.H. Moog, The Observer Error Linearization Problem via Dynamic Compensation, IEEE Transactions on Automatic Control, **59**, 9 (2014), pp. 2502–2508, [10.1109/TAC.2014.2308606](http://dx.doi.org/10.1109/TAC.2014.2308606)
- [61] H. J. Chang, C.H. Moog, A. Astolfi et P.S. Rivadeneira, A control systems analysis of HIV prevention model using impulsive input, Biomedical Signal Processing and Control, 13, 2014, pp. 123-131. <http://dx.doi.org/10.1016/j.bspc.2014.03.008>
- [62] P.S. Rivadeneira, C.H. Moog, G.B. Stan, C. Brunet, F. Raffi, V. Ferré, V. Costanza, M.J. Mhawej, D. Ernst, R. Fonteneau, F. Biafore, D. Ouattara et X. Xia, Mathematical modelling of HIV dynamics after antiretroviral therapy initiation: a clinical research study, AIDS Research and Human Retroviruses, 2014, 30 (9), pp. 831-834,
<http://dx.doi.org/10.1089/AID.2013.0286>
- [63] P.S. Rivadeneira, C.H. Moog, G.B. Stan, C. Brunet, F. Raffi, V. Ferré, V. Costanza, M.J. Mhawej, D. Ernst, R. Fonteneau, F. Biafore, D. Ouattara et X. Xia, Mathematical modelling of HIV dynamics after antiretroviral therapy initiation: a Review, BioResearch Open Access, 2014, 3 (5), pp. 233-241, <http://dx.doi.org/10.1089/biores.2014.0024>

- [64] N. Magdelaine, L. Chaillous, I. Guilhem, J.Y. Poirier, M. Krempf, C.H. Moog and E. Le Carpentier, A Long-term Model of the Glucose-Insulin Dynamics of Type I Diabetes, IEEE Transactions on Biomedical Engineering, vol. 62, n° 6, pp. 1546-1552, June 2015, <https://doi.org/10.1109/TBME.2015.2394239>
<http://www.ncbi.nlm.nih.gov/pubmed/25615904>
<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7015573>
- [65] P.S. Rivadeneira, C.H. Moog, Observability criteria for impulsive control systems with applications to biomedical engineering systems, Automatica, May 2015, 55, pp. 125-131. <https://doi.org/10.1016/j.automatica.2015.02.042>
- [66] N. Magdelaine, L. Chaillous, I. Guilhem, J.Y. Poirier, M. Krempf, C.H. Moog and E. Le Carpentier, A Relevant Glucose-Insulin Dynamics Model for Type I Diabetes, Diabetes Technology & Therapeutics, 13 Feb. 2015, vol. 17, n° S1, pp. A125-A126. <http://online.liebertpub.com/doi/pdfplus/10.1089/dia.2015.1525>
- [67] D. Maalouf, C.H. Moog, Y. Aoustin and S.J. Li, Classification of two-degree-of-freedom underactuated mechanical systems, IET Control Theory & Applications, 25 June 2015, Vol. 9, Iss. 10, pp. 1501–1510. <http://dx.doi.org/10.1049/iet-cta.2014.0280>
- [68] J. Belikov, M. Halas, Ü. Kotta and C.H. Moog, Model matching problem for discrete-time nonlinear systems, Proc. Estonian Academy of Sciences, (2015), 64, 4, 457–472. <http://dx.doi.org/10.3176/proc.2015.4.01>
- [69] K. Baibeche, C.H. Moog, Input-state feedback linearization for a class of single-input nonlinear time-delay systems, IMA Journal of Mathematical Control and Information, Oxford University Press, (2016), vol. 33, pp. 873-891. <http://dx.doi.org/10.1093/imamci/dnv012>
- [70] A. Kaldmäe, C.H. Moog, Disturbance decoupling of time delay systems, Asian Journal of Control, (2016), Vol. 18, No. 3, pp. 1130–1134. <http://dx.doi.org/10.1002/asjc.1169>
- [71] Y. Kawano, Ü. Kotta and C.H. Moog, Any dynamical system is fully accessible through one single actuator, and related problems, Int. Journal of Robust and Nonlinear Control, 26, 8 (2016), pp. 1748–1754. <http://dx.doi.org/10.1002/rnc.3379>
- [72] A. Kaldmäe, C. Califano and C.H. Moog, Integrability for nonlinear time-delay systems, IEEE Transactions on Automatic Control, 61, 7 (2016), pp. 1912-1917. <http://dx.doi.org/10.1109/TAC.2015.2482003>
- [73] E. Garcia-Ramirez, C.H. Moog, C. Califano and L.A. Marquez-Martinez, Linearization via input-output injection of time delay systems, International J. Control, 89, 6 (2016), pp. 1125-1136. <http://dx.doi.org/10.1080/00207179.2015.1122230>
- [74] S. Nomm, C.H. Moog, Further results on identifiability of discrete-time nonlinear systems, Automatica, (2016), 68, June 2016, Pages 69–74. <http://dx.doi.org/10.1016/j.automatica.2016.01.054>
- [75] N. Magdelaine, L. Chaillous, I. Guilhem, J.Y. Poirier, M. Krempf, A.L. Fournier-Guilloux, C.H. Moog and E. Le Carpentier, A Relevant Glucose-Insulin Model: Validation using Clinical Data, Diabetes Technology & Therapeutics, (2016), vol. 18, pp. A93-A94. <http://online.liebertpub.com/doi/pdfplus/10.1089/dia.2016.2525>

- [76] H.J.Chang, C.H. Moog and A. Astolfi, A study on the occurrence of HIV eradication for preexposure prophylaxis treatment with a deterministic HIV model, IET Systems Biology, (2016), 10 (6), pp. 237-243. <http://dx.doi.org/10.1049/iet-syb.2016.0008>
- [77] C. Califano and C.H. Moog, Accessibility on nonlinear time-delay systems, IEEE Transactions on Automatic Control, 62, 3, (2017), Regular Paper, pp. 1254-1268. <http://dx.doi.org/10.1109/TAC.2016.2581701>
- [78] T. Mullari, Ü. Kotta, Z. Bartosiewicz, E. Pawłuszewicz and C.H. Moog, Forward and backward shifts of vector fields: towards the dual algebraic framework, IEEE Transactions on Automatic Control, 62, 6, (2017), pp. 3029-3033. <https://hal.archives-ouvertes.fr/hal-01818884> <http://dx.doi.org/10.1109/TAC.2016.2608718>
- [79] E. Garcia-Ramirez, O. Peñaloza-Mejia and C.H. Moog, Further comments on Taylor series expansion of the delay/advance operator, ASME J. Comput. Nonlinear Dynam. May 2017, 12(3):034501-034501-3. <http://dx.doi.org/doi:10.1115/1.4035058>
- [80] K. Menani, T. MohammadRidha, N. Magdelaine, M. Abdelaziz, and C.H. Moog, Positive sliding mode control for blood glucose regulation, Int. J. Systems Science, 48, 15, (2017), pp. 3267-3278. <http://dx.doi.org/10.1080/00207721.2017.1381893>
- [81] C. Join, E. Delaleau, M. Fliess et C.H. Moog, Un résultat intrigant en commande sans modèle, ISTE OpenScience Automatique, 2017, vol.1, n°1. <https://hal-polytechnique.archives-ouvertes.fr/hal-01628322> <https://www.openscience.fr/Un-resultat-intrigant-en-commande-sans-modele>.
- [82] T. MohammadRidha, M. Aït-Ahmed, L. Chaillous, M. Krempf, I. Guilhem, J.Y. Poirier, and C.H. Moog, Model free iPID control for glycemia regulation of type 1 diabetes, IEEE Transactions on Biomedical Engineering, 65, 1, jan 2018, pp. 199-206. <http://dx.doi.org/10.1109/TBME.2017.2698036>
- [83] Ü. Kotta, C.H. Moog and M. Tõnso, Remarks on realization of time-varying systems, Proc. Estonian Academy of Sciences, (2018), 67, 3, pp. 207-216. <https://doi.org/10.3176/proc.2018.3.02>
- [84] Ü. Kotta, C.H. Moog and M. Tõnso, Minimal realizations of nonlinear systems, Automatica, (2018), 95, pp. 207-212. <https://doi.org/10.1016/j.automatica.2018.05.007>
- [85] M.T. Angulo, C.H. Moog and Y.Y. Liu, A theoretical framework for controlling complex microbial communities, Nature Communications, 2019, **10**, Article number: 1045. <https://hal.archives-ouvertes.fr/hal-02384020> <https://doi.org/10.1038/s41467-019-08890-y>
- [86] S.J. Li, C.H. Moog and W. Respondek, Maximal feedback linearization and its internal dynamics with applications to mechanical systems on R4, Int. Journal of Robust and Nonlinear Control, 2019, 29, 9, pp. 2639-2659. <https://hal.archives-ouvertes.fr/hal-02019763> <https://doi.org/10.1002/rnc.4507>
- [87] T. MohammadRidha, P.S. Rivadeneira, N. Magdelaine, M. Cardelli and C.H. Moog, Positively Invariant Sets of a T1DM Model: Hypoglycemia Prediction and Avoidance, Journal of the Franklin Institute, 2019, 356, 11, pp. 5652-5674. <https://hal.archives-ouvertes.fr/hal-02054969> <https://doi.org/10.1016/j.jfranklin.2019.03.022>

- [88] C. Califano, E. Scharbarg, N. Magdelaine, and C.H. Moog, A nonlinear time-delay realization for gastroparesis in patients with diabetes, Annual Reviews in Control, 2019, vol. 48, pp. 233-241. <https://hal.archives-ouvertes.fr/hal-02267973> <https://doi.org/10.1016/j.arcontrol.2019.07.005>
- [89] N. Magdelaine, P.S. Rivadeneira, L. Chaillous, A.L. Fournier-Guilloux, M. Krempf, T. MohammadRidha, M. Aït-Ahmed and C.H. Moog, The Hypoglycaemia-Free Artificial Pancreas Project, IET Systems Biology, Feb. 2020, vol. 14, pp. 16-23. <https://doi.org/10.1049/iet-syb.2018.5069>
- [90] T. Mullari, Ü. Kotta, Z. Bartosiewicz, M.A. Sarafrazi, C.H. Moog and E. Pawłuszewicz, Weak reachability and controllability of discrete-time nonlinear systems: generic approach and singular points, International J. Control, 2020, vol. 93 (3), pp. 483-489. <https://doi.org/10.1080/00207179.2018.1479076>
- [91] C. Califano and C.H. Moog, Observability of nonlinear time-delay systems and its application to their state realization, IEEE Control Systems Letters, Oct. 2020, vol. 4 (4), pp. 803-808. <https://hal.archives-ouvertes.fr/hal-02552372> <https://doi.org/10.1109/LCSYS.2020.2992715>
- [92] M.T. Angulo, A. Aparicio and C.H. Moog, Structural accessibility and structural observability of nonlinear networked systems, IEEE Transactions on Network Science and Engineering, Jul.-Sep. 2020, vol. 7 (3), pp. 1656-1666. <https://hal.archives-ouvertes.fr/hal-02289552> <https://doi.org/10.1109/TNSE.2019.2946535>
- [93] A.H. Gonzalez, P.S. Rivadeneira, A. Ferramosca, N. Magdelaine and C.H. Moog, Stable Impulsive Zone MPC for Type 1 Diabetic Patients based on a long-term model, Optimal Control Applications and Methods, Nov.-Dec. 2020, vol. 41 (6), pp. 2115-2136. <https://hal.archives-ouvertes.fr/hal-02660136> <https://doi.org/10.1002/oca.2647>
- [94] G. Conte, A.M. Perdon, E. Zattoni, C.H. Moog and E. Scharbarg, Invariance and controlled invariance in switching structured systems with application to disturbance decoupling, IOP Conf. Ser.: Mater. Sci. Eng., Oct. 2020, Vol. 922, 012002. <https://doi.org/10.1088/1757-899X/922/1/012002>
- [95] E. Scharbarg, C.H. Moog, N. Mauduit and C. Califano, From the hospital scale to nationwide: observability and identification of models for the COVID-19 epidemic waves, Annual Reviews in Control, Oct. 2020, vol. 50, pp. 409-416. <https://hal.archives-ouvertes.fr/hal-02961116> <https://doi.org/10.1016/j.arcontrol.2020.09.007>
- [96] A. Aparicio, J.X. Velasco-Hernandez, C.H. Moog and M.T. Angulo, Structure-based identification of sensor species for anticipating critical transitions, PNAS, Dec. 2021, 118 (51) e2104732118, https://hal.archives-ouvertes.fr/hal-03494327/file/PNAS_2021.pdf <https://doi.org/10.1073/pnas.2104732118>
- [97] E. Scharbarg, J. Greck, E. Le Carpentier, L. Chaillous and C.H. Moog, A metamodel-based flexible insulin therapy for type 1 diabetes patients subjected to aerobic physical activity, Sci. Reports, 2022, <https://doi.org/10.1038/s41598-022-11772-x>

B : Ouvrages de synthèse

- [1] G. Conte, C. Moog et A.M. Perdon. Nonlinear Control Systems: An Algebraic Setting. Springer Verlag, 1999, Londres, Grande-Bretagne, 242, Lecture Notes in Control and Information Sciences.
- [2] G. Conte, C. Moog et A.M. Perdon. Riadenie nelinearnych systemov : algebrický pristup. Slovenska technik univerzita v Bratislave, 2001, Bratislava, Slovaquie, ISBN 80-227-1490-9.
- [3] G. Conte, C.H. Moog et A.M. Perdon. Algebraic Methods for Nonlinear Control Systems. Springer, 2nd edition, 2007, Londres, Grande-Bretagne, Communications and Control Engineering, <http://www.springer.com/1-84628-594-1>
- [4] G. Conte, C.H. Moog et A.M. Perdon. 非线性控制系统的代数方法, Algebraic Methods for Nonlinear Control Systems. Science Press, 2013, Beijing, China, ISBN 978-7-03-038121-7, item.jd.com/11693729.html
- [5] C. Califano, et C.H. Moog. Nonlinear Time-Delay Systems A Geometric Approach. SpringerBriefs in Control, Automation and Robotics, 2021, Springer, www.springer.com/gp/book/9783030720254

BB : Ouvrages de synthèse (Partie d'un livre)

- [1] C.H. Moog et A. Glumineau, "Le Problème du Rejet des Perturbations Mesurables dans les Systèmes Non Linéaires. Application à l'Amarrage en un seul Point des Grands Pétroliers", Colloque National C.N.R.S., RCP 567, Belle-Ile, 1982, dans Outils et Modèles Mathématiques pour l'Automatique, l'Analyse des Systèmes et le Traitement du Signal, I.D. Landau, ed., Editions du C.N.R.S., vol. 3, 1983.
- [2] J.E.R. Cury et C.H. Moog, "Les Sous-Espaces (A,B)-Invariants Structurels et le Rejet des Perturbations dans les Systèmes Décentralisés", Colloque National C.N.R.S., RCP 567, Belle-Ile, 1982, dans Outils et Modèles Mathématiques pour l'Automatique, l'Analyse des Systèmes et le Traitement du Signal, I.D. Landau, ed., Editions du C.N.R.S., vol. 3, 1983.
- [3] A. Isidori et C.H. Moog. Modelling and Adaptive Control. Springer Verlag, Chapitre:On the Nonlinear Equivalent of the Notion of Transmission Zeros. In: Modelling and Adaptive Control, C.I. Byrnes & A.B. Kurzhanski (Eds.), Lecture Notes in Control and Inf. Sci., vol. 105, Springer-Verlag Berlin Heidelberg, 1988, Proc. I.I.A.S.A. Workshop on Modelling and Adaptive Control, Sopron (Hongrie), 1986, Conférence invitée. pp. 146-158.
- [4] C.H. Moog. New Trends in Nonlinear Control Theory. Springer Verlag, Chapitre:Linear Algebra and Nonlinear Control. Pages:160--171. Berlin, 122, Lecture Notes in Control and Inf. Sci., 1989, Conférence internationale d'Automatique Non Linéaire du CNRS, Nantes, 1988, Conférence invitée. Editeurs: J. Descusse, M. Fliess, A. Isidori et D. Leborgne.
- [5] A.M. Perdon, G. Conte et C.H. Moog. Realization and Modelling in System Theory. Birkhäuser, Chapitre:Some Canonical Properties of Nonlinear Systems. Pages:89--96. Boston, 3, Progress in Systems and Control Theory, 1990, Proc. MTNS, Amsterdam, 1989, Conférence invitée. Editeurs: M.A. Kaashoek, J.H. Van Schuppen et A.C.M. Ran.
- [6] A. Glumineau, C.H. Moog, T.J. Tarn (1991) Interconnected Zero Dynamics in Nonlinear Systems and their Role in Dynamic Noninteracting Control with Stability. In: New Trends in Systems Theory. Progress in Systems and Control Theory, vol 7. Birkhäuser, Boston, MA. https://doi.org/10.1007/978-1-4612-0439-8_39

- [7] J.C. Albert, A. Glumineau, M. Guglielmi, E. Le Carpentier and C.H. Moog. Online Guidance and Control of a Spacecraft for an Aeroassisted Orbit transfer. In “Automatic Control in Aerospace 1992”, D.B. DeBra and E. Gottzein eds., IFAC Symposia Series, Number 12, Chapter 14, Pergamon Press, Oxford. Pages:121-126. 1993.
- [8] C. Moog. Realization of nonlinear systems. M. Huba, L. Menini, A. Tornambe, K. Zakova eds., Societa Editrice Esculapio, Bologna, Modern Control Theory, Chapitre:0000. Pages:87-100. 1999.
- [9] R. Pothin, C. H. Moog and X. Xia. Stabilization of a series DC motor by dynamic output feedback. In: Nonlinear control in the year 2000 volume 2, A. Isidori, F. Lamnabhi-Lagarrigue & W. Respondek Eds., Series LNCIS, No. 259, Springer Verlag, Berlin Heidelberg New York, 2001, pp. 257-263. ISBN: 978-1-85233-364-5 (Print) 978-1-84628-569-1 (Online).
- [10] C. Moog. Systèmes Non Linéaires. Hermès, Second, Chapitre:2002. Paris, France, Information - Commande - Communication, 2002, F. Lamnabhi-Lagarrigue & P.Rouchon, éds., pp. 41-80.
- [11] G. Conte, A. M. Perdon et C. H. Moog. Inversion and Tracking Problems for Time Delay Linear Systems. In: Applications of Time Delay Systems, J. Chiasson et J.J. Loiseau Eds., Series LNCIS, No. 352, Springer Verlag, Berlin Heidelberg New York, 2007, pp. 267-284. ISBN-10: 3-540-49555-X, ISBN-13: 978-3-540-49555-0.
- [12] S. Nomm, C. H. Moog, E. Cottais et Y. Wang. Linearization of the Power Amplifier in MobileTelecommunications. In: Applications of Time Delay Systems, J. Chiasson et J.J. Loiseau Eds., Series LNCIS, No. 352, Springer Verlag, Berlin Heidelberg New York, 2007, pp. 301-312. ISBN-10: 3-540-49555-X, ISBN-13: 978-3-540-49555-0.
- [13] D. A. Ouattara et C. H. Moog, Modeling of the HIV/AIDS Infection: An Aid for an Early Diagnosis of Patients, In: Biology and Control Theory: Current Challenges, I. Queinnec, S. Tarbouriech, G. Garcia et S. I. Niculescu Eds., Series LNCIS, No. 357, Springer Verlag, Berlin Heidelberg, 2007, pp. 21-43. ISSN 0170-8643, DOI 10.1007/978-3-540-71988-5
- [14] M.J. Mhawej, C. H. Moog and F. Biafore, The HIV dynamics is a single input system, In : IFBME 2008 Proceedings 23, Chwee Teck Lim, James C.H. Goh (Eds.), Springer-Verlag Berlin Heidelberg, 2009, pp. 1263–1266.
- [15] H. J. Estrada Garcia, L. A. Marquez Martinez et C. H. Moog, Master-Slave Synchronization for Two Inverted Pendulums with Communication Time-Delay, In : Topics in time delay systems: Analysis, algorithms, control, Series LNCIS No. 388, 209--219, Springer Verlag, Berlin Heidelberg New York, 2009, pp. 403-414.
- [16] C. Califano et C. H. Moog, On the existence of the normal form for nonlinear delay systems, In : *Recent Results on Nonlinear Delay Control Systems*, Malisoff, M., Pepe, P., Mazenc, F., Karafyllis, I. (eds.), Series Advances in Delays and Dynamics, Vol. 4, Springer Verlag, Berlin Heidelberg New York, 2016, ISBN 978-3-319-18071-7, pp. 113-142. http://dx.doi.org/10.1007/978-3-319-18072-4_6

Br : Brevets

- [1] N. Magdelaine, C.H. Moog, P.S. Rivadeneira, L. Chaillous, M. Krempf, Artificial Pancreas, [WO/2018/069510](https://www.google.com/patents/US2018069510A1), 19 avril 2018.
- [2] N. Magdelaine, C.H. Moog, L. Chaillous, M. Aït-Ahmed, Method for estimating glycemia

and/or controlling an insulin injection device, dépôt européen, PCT/EP2019/086622, 20 décembre 2019.

Cp: Conférences plénierées ou semi-plénierées

- [1] C.H. Moog, A.M. Perdon et G. Conte. Model Matching of linear time-varying systems and nonlinear systems. Pre-MTNS Conference, World Scientific, 1991, Hangzhou, Chine, Pages:30--38. Conférence plénierée. Editeurs: S. Chen et J. Young.
 - [2] C.H. Moog. Control of underactuated mechanical systems. 3rd International Conference on Electrical and Electronics Engineering and XII Conference on Electrical Engineering, Septembre, 2006, Veracruz, Mexique, Conférence Plénierée. pp. 26 - 27, DOI: [10.1109/ICEEE.2006.251960](https://doi.org/10.1109/ICEEE.2006.251960)
 - [3] C. H. Moog, D. A. Ouattara et M. J. Mhawej. Analysis of the HIV dynamics. IFAC NOLCOS, Aout, 2007, Pretoria, Afrique Du Sud, Conférence semi-plénierée.
-

C : Colloques avec actes

- [1] C.H. MOOG, "Decentralized Control by Penalization of Interactions. Application to a Ship System", IASTED Symposium MECO'81, Le Caire (Egypte), 1981.
- [2] C.H. MOOG, "Decentralized Control by Penalization of Interactions", International Conference on Systems Science VII, Wroclaw (Pologne), 1981.
- [3] C. MOOG, "Commande Décentralisée Appliquée au Système de Propulsion d'un Grand Navire", Congrès AFCET Automatique 81, Nantes, 1981.
- [4] D. Claude, A. Glumineau et C.H. Moog. Nonlinear Decoupling and Immersion Techniques Applied to a Single Point Mooring of a Tanker. 24th IEEE CDC, Decembre, 1985, Fort Lauderdale, FL, USA, Pages:1660--1665. Conférence invitée.
- [5] J. Descusse et C.H. Moog. Some Recent Results on Dynamic Decoupling of Nonlinear Systems. SYROCO'85, 1985, Barcelone, Espagne, Pages:283--286. Conférence invitée.
- [6] D. Claude, A. Glumineau et C.H. Moog. Decoupling on a Dynamical Behaviour Model of a Large Scale Ship Moored to a Single Point. ASME Winter Annual Meeting, 1985, Miami Beach, DSC-, Pages:81--86.
- [7] A. Isidori, C.H. Moog et A. De Luca. A Sufficient Condition for Full Linearization via Dynamic State Feedback. 25th CDC IEEE, Decembre, 1986, Athenes, Grece, Conférence invitée.
- [8] G. Conte, C.H. Moog et A.M. Perdon. The Model Matching Problem Using a Differential Algebraic Approach. 1ère Conf. Int. sur les Mathématiques Appliquées et Industrielles, Juillet, 1987, Paris, Pages:163--174. Conférence invitée.
- [9] J.W. Grizzle, M.D. Di Benedetto et C.H. Moog. Computing the Differential Output Rank of a Nonlinear System. 26th CDC IEEE, 1987, Los Angeles.
- [10] M.D. Di Benedetto, J.W. Grizzle et C.H. Moog. A Unified Notion of Rank for a Nonlinear System. 27th CDC - IEEE, 1988, Austin, TX, USA.

- [11] C.H. Moog, J. Perraud, P. Bentz et Q.T. Vo. Prime Differential Ideals in Nonlinear Rational Control Systems. Symposium on Nonlinear Control Systems Design, 1989, Capri, Italie, Pages:178--182. Conférence invitée. IFAC Symposia Series, 1990, pp. 17-21
doi.org/10.1016/B978-0-08-037022-4.50009-0
- [12] J.W. Grizzle et C.H. Moog. The Rank of Discrete-Time Systems. SIAM Conference, 1989, San Francisco, CA, USA, Conférence invitée.
- [13] A.M. Perdon, G. Conte et C.H. Moog. Structural methods in the control of linear time-varying systems. European Control Conference ECC, 1991, Grenoble, Pages:1777--1780.
- [14] M.D. Di Benedetto, A. Glumineau et C.H. Moog. Equivalence of Nonlinear Systems under Dynamic State Feedback. 30th CDC IEEE, 1991, Brighton, UK, Pages:400--405.
- [15] A.M. Perdon, C.H. Moog et G. Conte. A differential algebraic setting for analytic nonlinear system. Symposium on Nonlinear Control Systems Design, 1992, Bordeaux, Pages:203--208. IFAC.
- [16] J.C. Albert, A. Glumineau, M. Guglielmi, E. Le Carpentier et C.H. Moog. Online Guidance and Control of a Spacecraft for an aeroassisted orbit transfer. Symposium on Aerospace Control, 1992, Munich/Ottobrunn, Allemagne, Pages:147--152. IFAC.
- [17] J.B. Pomet, C.H. Moog et E. Aranda-Bricaire. A Non-Exact Brunovsky Form and Dynamic Feedback Linearization. 31st CDC IEEE, 1992, Tucson,AZ, USA, Pages:2012--2017.
- [18] Y. Aït-Amirat, S. Diop et C.H. Moog. A New Structure Algorithm for Differential Algebraic Systems. European Control Conference ECC, 1993, Groningen, Pays-Bas, Pages:2090--2095.
- [19] R. Andiarti, A. Glumineau, C.H. Moog et F. Plestan. Online computable guidance methods for the atmospheric flight of a spacecraft. IFAC World Congress, 1993, Sydney, Australie, VII, Pages:183--186.
- [20] P. Liu et C.H. Moog. Minimal realization for single-input single-output nonlinear systems. American Control Conference, 1994, Baltimore, MD, USA, Pages:551--552.
- [21] R. Castro-Linares et C.H. Moog. Robust output tracking by dynamic compensation. American Control Conference, 1994, Pages:2690--2694.
- [22] H.J.C. Huijberts et C.H. Moog. Controlled invariance of nonlinear systems: generalized concepts. American Control Conference, 1994, Pages:2712-2716. [ref:3092].
- [23] R. Andiarti, C.H. Moog et J. Szymanowski. Controllability and optimal control for the atmospheric flight of a spacecraft. 1st Asian Aut. Contr. Conf., 1994, Tokyo, Japon, 1, Pages:309--312.
- [24] E. Aranda-Bricaire, U. Kotta et C.H. Moog. Accessibility and feedback linearization of discrete-time systems. Conference On Decision And Control (CDC), 1994, Orlando, Pages:1627--1632. IEEE.
- [25] R. Andiarti, C.H. Moog et H.J.C. Huijberts. Fixed modes in quasi-static feedback decoupling. Systems Structure & Control Conference, 1995, Nantes, IFAC Proceedings volumes, vol. 28 (8), pp. 127-131. [https://doi.org/10.1016/S1474-6670\(17\)45449-8](https://doi.org/10.1016/S1474-6670(17)45449-8)

- [26] F. Plestan, A. Glumineau et C.H. Moog. Algebraic conditions for linearization by output injection. Systems Structure & Control Conference, 1995, Nantes, France, IFAC.
- [27] R. Andiarti et C.H. Moog. The Role of Conditioned Invariance for Nonlinear Systems. Conference On Decision And Control (CDC), 1995, New Orleans, USA, IEEE.
- [28] Y.F. Zheng, P. Liu, A.S.I. Zinober et C.H. Moog. What is the dimension of the minimal realization of a nonlinear system?. Conference On Decision And Control (CDC), Decembre, 1995, New Orleans, USA, Pages:4239--4244.
- [29] R. Andiarti et C.H. Moog. The Role of Conditioned Invariance in Generalized Nonlinear Observers. IFAC World Congress, 1996, San Francisco, CA, USA, E, Pages:275--280.
- [30] X. Xia et C.H. Moog. Input Output linearization of Nonlinear Systems by Output Feedback. IEEE Conference on Decision and Control, 1996, Kobe, Japan, Pages:82--83.
- [31] C.H. Moog, R. Castro-Linares et M. Velasco-Villa. The Dynamic Disturbance Decoupling Problem for Time-Delay Nonlinear Systems. IEEE Conference on Decision and Control, 1996, Kobe, Japan, Pages:821--822.
- [32] C.H. Moog et X. Xia. Preliminary results on output feedback disturbance decoupling of nonlinear systems. European Control Conference ECC, 1997, Bruxelles.
- [33] R. Castro-Linares, C.H. Moog et M. Velasco-Villa. Bi-Causal Solutions to the Disturbance Decoupling Problem for Time-Delay Nonlinear Systems. IEEE Conference on Decision and Control, 1997, San Diego, CA.
- [34] L.A. Marquez-Martinez et C.H. Moog. On the input-output linearization for nonlinear time delay systems. Systems Structure & Control Conference, 1998, Nantes, France, IFAC.
- [35] C.H. Moog et R. Pothin. Input-output decoupling of nonlinear systems by output feedback. Systems Structure & Control Conference, 1998, Nantes, France, IFAC.
- [36] C.H. Moog et M. Velasco-Villa. Disturbance decoupling problem for time-delay nonlinear systems: dynamic approach. Systems Structure & Control Conference, 1998, Nantes, France, IFAC.
- [37] L.A. Marquez-Martinez et C. Moog. New results on the analysis and control of nonlinear time-delay systems.. Proc. 38th IEEE Conference on Decision and Control, Décembre, 1999, Phoenix, Arizona, Conférence invitée.
- [38] R. Pothin, C. Moog et X. Xia. Input-output linearization of nonlinear MIMO systems by static output feedback.. Proc. 38th IEEE Conference on Decision and Control, Décembre, 1999, Phoenix, Arizona, Pages:732 -733.
- [39] R. Pothin, U. Kotta et C. Moog. Output feedback linearization of nonlinear discrete-time systems.. IFAC Conference Control Systems Design, Juin, 2000, Bratislava, Slovaquie, Pages:174-179. Conférence invitée..
- [40] R. Pothin, S. Celikovsky et C. Moog. Simulation results of a stabilization of an inverted pendulum by dynamic output feedback.. 3rd IFAC R.O.C.O.N.D., Juin, 2000, Prague, République Tchèque.

- [41] R. Pothin et C. Moog. Input-output decoupling of nonlinear systems by dynamic measurement feedback.. 14th International Symposium on Mathematical Theory of Networks and Systems, Proceedings CD, MTNS'2000, Juin, 2000, Perpignan, France, LTS Perpignan, CMLA Cachan.
- [42] R. Pothin, C. Moog et X. Xia. Nonlinear stabilizing dynamical output feedback for a series DC motor.. Proc. IFAC DECOM, Juillet, 2000, Prétoria, Afrique Du Sud.
- [43] R. Pothin, S. Celikovsky et C. Moog. Dynamic Output feedback stabilization of an inverted pendulum: simulation results. IFAC Conference Control Systems Design, Juin, 2000, Bratislava, Slovaquie, Pages:137-139.
- [44] L.A. Marquez-Martinez, C. Moog et M. Velasco-Villa. Observability and observers for nonlinear systems with time-delays. Proc. IFAC Workshop on Time Delay Systems, Septembre, 2000, Ancône, France, Pages:52-57.
- [45] L. Cambrini, C. Chevallereau, C. Moog et R. Stojic. Stable trajectory tracking for biped robots. IEEE Conference on Decision and Control, 2000, Sydney, Australie, Pages:4815-4820.
- [46] L. Jurackova, C. Moog et R. Boisliveau. Regulation of a synchronous motor at low speed : experimental results.. ACC'01 American Control Conference, 2000, Chicago, Illinois, Pages:1592-1596. IEEE.
- [47] R. Pothin, C. Moog et X. Xia. Disturbance decoupling of nonlinear MISO systems by static measurement feedback. 1st IFAC Symposium on System Structure and Control, IFAC, Aout, 2001, Prague, République Tchèque, IFAC.
- [48] R. Pothin et C. Moog. Measurement feedback disturbance decoupling of nonlinear discrete-time systems. IFAC NOLCOS, IFAC, Juillet, 2001, Saint-Pétersbourg, Russie, IFAC.
- [49] X. Xia, L.A. Marquez-Martinez, P. Zagalak et C. Moog. Modules over non-commutative rings for an algebraic study of control systems. 1st IFAC Symposium on System Structure and Control, IFAC, Août, 2001, Prague, République Tchèque, IFAC.
- [50] L.A. Marquez-Martinez, C. Moog et E. Aranda-Bricaire. Triangular forms nonlinear time-delay systems. 3rd IFAC Workshop On Time Delay Systems, IFAC,Omnipress (éditeur), 2001, Santa-Fe, USA, Pages:261-265. University of New Mexico.
- [51] L.A. Marquez-Martinez et C. H. Moog. Accessibility of nonlinear time-delay systems. Proc.40th IEEE CDC, 2001, Orlando, USA, Pages:4622-4627.
- [52] E. Aranda-Bricaire et C. Moog. Characterization of invariant codistributions for discrete-time nonlinear dynamical systems. 15th IFAC World Congress On Automatic Control, IFAC, 2002, Barcelone, Espagne.
- [53] C. Moog, Y.F. Zhen et P. Liu. Input-output equivalence of nonlinear systems and their realizations. 15th IFAC World Congress On Automatic Control, IFAC, 2002, Barcelone, Espagne.
- [54] C. Moog, R. Pothin, U. Kotta et S. Nomm. Input-output decoupling of nonlinear discrete-time systems by static output feedback. 15th IFAC World Congress On Automatic Control, IFAC, 2002, Barcelone, Espagne.

- [55] E. Cottais, S. Nomm, Y. Wang, S. Toutain et C. Moog. Linéarisation d'amplificateurs de puissance avec mémoire par prédistortion adaptative. XIIIèmes Journées Nationales MICROONDES, 2003, Lille, France, L'IEMN.
- [56] C. Moog, U. Kotta, S. Nomm et M. Tonso. EXTENSIONS OF LINEAR ALGEBRAIC METHODS TO NONLINEAR SYSTEMS : AN EDUCATIONAL PERSPECTIVE. 6th IFAC Symposium on Advances in Control Education, 2003, Oulu.
- [57] E. Aranda-Bricaire et C. Moog. Equivalence of discrete-time nonlinear systems to feedforward forms. ECC'03 European Control Conference, 2003, Cambridge, UK, 1-4 septembre, pp. 1135-1140, doi: 10.23919/ECC.2003.7085112.
- [58] E. Cottais, S. Nomm, Y. Wang, S. Toutain et C. Moog. Généralisation d'une nouvelle méthode de linéarisation d'amplificateurs de puissance avec mémoire. 17eme colloque GRETSI sur le Traitement du Signal et des Images, 2003, Paris, France, 8-11 septembre.
- [59] L.A. Marquez-Martinez et C. Moog. Feedback linearization of Nonlinear Time-Delay Systems. 42th IEEE conference on Decision and Control, 2003, Maui, Hawaï.
- [60] C. Chevallereau, J.W. Grizzle et C. Moog. Nonlinear Control of Mechanical Systems with one degree of Underactuation. IEEE International Conference On Robotics And Automation, 2004, Nouvelle Orleans, Louisiane.
- [61] S. Nomm et C. Moog. Identifiability of discrete-time nonlinear systems. 6th IFAC Symposium on Nonlinear Control Systems NOLCOS, IFAC, 2004, Stuttgart, Allemagne, 2, Pages:477-482.
- [62] S. Nomm, C. Moog, Y. Wang et E. Cottais. Linearization as a new approach for the power consumption management of power amplifier. 6th IFAC Symposium on Nonlinear Control Systems NOLCOS, 2004, Stuttgart, Allemagne, 3, Pages:1535-1540. IFAC.
- [63] L.A. Marquez-Martinez et C. Moog. New insights on the analysis of nonlinear time-delay systems : application to the triangular equivalence. 2004, Nassau, Bahamas.
- [64] S. Nomm, C. Moog, U. Kotta et M. Tonso. Realization of nonlinear discrete-time composite systems. 2nd Symposium on System, Structure and Control, 2004, Oaxaca, Mexique, Pages:712-717. IFAC.
- [65] E. Cottais, S. Nomm, Y. Wang, S. Toutain et C. Moog. Baseband adaptive predistorter to linearize power amplifiers with memory. 34th European Microwave Conference, 2004, Amsterdam, Pays-Bas, Pages:189-192.
- [66] M. Di Loreto, L. Boillereaux, G. Conte et C. Moog. Melting Kinetics Control Applied to Foods Defrosting. IMACS World Congress, 2005, Paris, France, 11 - 15 Juillet 2005.
- [67] E. Aranda-Bricaire et C. Moog. Exogenous feedback linearization of discrete-time systems. 44th IEEE Conference on Decision and Control and European Control Conference ECC 2005, 2005, Séville, Espagne.
- [68] U. Kotta et C. Moog. Equivalence to a (Strict) Feedforward Form of Nonlinear Discrete-Time Single-Input Control Systems. 44th IEEE Conference on Decision and Control and European Control Conference ECC 2005, 2005, Séville, Espagne.

- [69] G. Conte, C. Moog et A.M. Perdon. The Tracking Problem for MIMO, Linear, Delay-Differential Systems. Joint 2005 International Symposium on Intelligent Control & 13th Mediterranean Conference on Control and Automation (2005 ISIC-MED), IEEE, 2005, Limassol, Chypre.
- [70] D.A. Ouattara et C. Moog. Identification, linéarisation et commande optimale du modèle 3D de l'infection VIH-1. Conférence Internationale Francophone d'Automatique - CIFA 2006, 2006, Bordeaux.
- [71] J. Tabun, S. Nomm, U. Kotta et C. Moog. Identifiability of nonlinear systems : computational aspects. 14th Mediterranean Conference on Control and Automation, 2006, IEEE, <http://www.diiga.univpm.it/MED06/>
- [72] J. Zikmund et C.H. Moog. The structure of 2-bodies mechanical systems. 45th IEEE Conference on Decision and Control, Décembre, 2006, San Diego, Pages:6494-6499.
- [73] H.J. Estrada-Garcia, C.H. Moog et L.A. Marquez-Martinez. Tracking Problem for Nonlinear Time-Delay Multi-Input Multi-Output Systems. IEEE Conference on Decision and Control, Decembre, 2006, San Francisco, CA, USA, Pages:1812-1816.
- [74] H.J. Estrada-Garcia, O. Penaloza Mejia, C.H. Moog et L.A. Marquez-Martinez. Trajectory Tracking Problem: Causal Solutions for Nonlinear Time-Delay Systems. Congreso Nacional de Control Automatico 2006, Octobre, 2006, Mexico, Asociacion Mexicana de Control Automatico.
- [75] E. Aranda-Bricaire et C. H. Moog. Embedded dynamics of continuous time nonlinear single input systems. 45th IEEE Conference on Decision & Control, Decembre, 2006, San Diego, Pages:973-976.
- [76] E. Cottais, B. Feuvrie, Y. Wang, S. Toutain et C. H. Moog. Banc de mesures dedie a la linearisation des amplificateurs de puissance. 15emes Journées Nationales Microondes, Mai, 2007, Toulouse, France.
- [77] C. H. Moog, J. Zikmund et S. Celikovsky. Equivalence of mechanical systems. 3rd IFAC Symposium on System, Structure and Control (SSSC'07), Octobre, 2007, Foz do Iguacu, Brasil, IFAC.
- [78] J. Zikmund, S. Celikovsky et C. H. Moog. Nonlinear Control Design for the Acrobot. 3rd IFAC Symposium on System, Structure and Control (SSSC'07), Foz do Iguacu, Brasil, IFAC Proceedings Vol. 40, Issue 20, 2007, Pages 446-451. <doi:10.3182/20071017-3-BR-2923.00071>
- [79] H J. Estrada Garcia, L. A. Marquez Martinez et C. H. Moog. Master-Slave Synchronization for two Inverted Pendulum with communication time-delay. IFAC Workshop on Time Delay Systems, Septembre, 2007, Nantes, France.
- [80] A. M. Perdon, C. H. Moog et G. Conte. The pole-zero strucure of nonlinear control systems. 7th NOLCOS, 2007, Pretoria, IFAC.
- [81] M. Halás, U. Kotta et C.H. Moog. Transfer Function Approach to the Model Matching Problem of Nonlinear Systems. 17th IFAC World Congress, Seoul, Korea, July 6-11, 2008.

- [82] S. Celikovsky, J. Zikmund et C.H. Moog. Partial exact linearization design for the Acrobot walking. American Control Conference, 2008, Seattle, Washington, USA, IEEE, pp. 874-879.
- [83] C.H. Moog et A. Garate-Garcia. Master Slave Tracking for Nonlinear Systems with Time Delays. World Congress on Intelligent Control and Automation (WCICA'08), IEEE, Juin, 2008, Chongqing, China. Conférence invitée.
- [84] M. J. Mhawej, C.H. Moog et F. Biafore. The HIV dynamics is a single input system. 13th International Conference on BioMedical Engineering (IFMBE 2008), Décembre, 2008, Singapore.
- [85] M. J. Mhawej et C.H. Moog. Drug dosage control of the HIV infection dynamics. Journées Ouvertes en Biologie, Informatique et Mathématiques (JOBIM), Juin, 2009, Nantes, France, papier rédigé en français.
- [86] X. Wu, C. H. Moog et Y. Hu. Modelling and Control of a Buoyancy-Driven Airship. The Seventh Asian Control Conference, Août, 2009, Hong Kong, Hong Kong University of Science & Technology.
- [87] M. Halás, C. Moog. A Polynomial Solution to the Model Matching Problem of Nonlinear Time-delay Systems, ECC 2009, Budapest, Hongrie, (2009-08-23), pp. 3551-3556
- [88] X. Wu, C. H. Moog et Y. Hu. Nonlinear Control of a Buoyancy Driven Airship. 48th IEEE Conference on Decision and Control CDC, December 16 – 18, 2009, Shanghai, Chine.
- [89] C. Califano, L.A. Marquez Martinez, C.H. Moog, On linear equivalence for time-delay systems, ACC 2010, Baltimore, 30 june-2 july, pp. 6567 - 6572, DOI: [10.1109/ACC.2010.5531404](https://doi.org/10.1109/ACC.2010.5531404).
- [90] M.T. Angulo, L. Fridman, C.H. Moog, J. Moreno, Output feedback design for robust finite-time state stability of flat nonlinear systems, 11th International Workshop on Variable Structure Systems VSS'10, Mexico, 26 june-28 june 2010, pp. 32 - 38, DOI: [10.1109/VSS.2010.5544668](https://doi.org/10.1109/VSS.2010.5544668).
- [91] X. Wu, C.H. Moog, L.A. Marquez Martinez, Y. Hu, Modelling and Control of a Complex Buoyancy-Driven Airship, 8th IFAC Symposium on Nonlinear Control Systems NOLCOS 2010, Bologna, Italy, 01-03 September, 2010, pp. 1134-1139. DOI : [10.3182/20100901-3-IT-2016.00011](https://doi.org/10.3182/20100901-3-IT-2016.00011)
- [92] S. Hénaff, I. Taralova et C.H. Moog, “Systèmes sous-échantillonés”, Conférence Internationale Francophone d'automatique, CIFIA, Nancy, France, 2-4 juin, 2010.
- [93] D. Maalouf, C.H. Moog, Y. Aoustin et S.J. Li, “Maximum feedback linearization with internal stability of 2-DOF underactuated mechanical systems”, 18th IFAC World Congress, Milano, Italy, 2011, pp. 8132-8137. <https://hal.archives-ouvertes.fr/hal-00584325>
DOI : [10.3182/20110828-6-IT-1002.01487](https://doi.org/10.3182/20110828-6-IT-1002.01487)
- [94] C. Califano, L.A. Marquez-Martinez et C.H. Moog, “On the observer canonical form for nonlinear time-delay systems”, 18th IFAC World Congress, Milano, Italy, 2011, pp. 3855-3860. DOI : [10.3182/20110828-6-IT-1002.00729](https://doi.org/10.3182/20110828-6-IT-1002.00729)

- [95] S.J. Li, C.H. Moog et C. Califano, “Characterization of accessibility for a class of nonlinear time-delay systems”, 50th IEEE CDC, Orlando, FL, USA, 2011, pp. 1068 - 1073. DOI : [10.1109/CDC.2011.6160906](https://doi.org/10.1109/CDC.2011.6160906)
- [96] J. Belikov, M. Halas, Ü. Kotta, and C.H. Moog. Model matching problem for discrete-time nonlinear systems: Transfer function approach. Proc. 9th International Conference on Control and Automation, Santiago, Chile, December 2011, pp. 360-365. DOI: [10.1109/ICCA.2011.6137955](https://doi.org/10.1109/ICCA.2011.6137955)
- [97] Z. Bartosiewicz,, Ü. Kotta, C.H. Moog, T. Mullari et E. Pawłuszewicz, “Dual Algebraic Framework for Discrete-Time Nonlinear Control Systems”, 51st IEEE CDC, Maui, Hawaii, USA, 2012, pp. 1846 – 1851. <http://dx.doi.org/10.1109/CDC.2012.6427106>
- [98] C. Califano et C.H. Moog, “Canonical Forms of Time-Delay Systems”, 51st IEEE CDC, Maui, Hawaii, USA, 2012, pp. 1846 – 1851, Conférence invitée. <http://dx.doi.org/10.1109/CDC.2012.6426805>
- [99] H.J. Chang, C.H. Moog et A. Astolfi, “A Control Systems Approach to HIV Prevention with Impulsive Control Input”, 51st IEEE CDC, Maui, Hawaii, USA, 2012, pp. 4912 - 4917. Conférence invitée. <http://dx.doi.org/10.1109/CDC.2012.6426853>
- [100] C. Califano, S. Li et C.H. Moog, “Accessibility of Driftless Single Input Nonlinear Time-Delay Systems”, 11th IFAC Workshop on Time Delay Systems, Grenoble, France 2013, pp. 433-438, Conférence invitée. <http://dx.doi.org/10.3182/20130204-3-FR-4031.00068>
- [101] S. Celikovsky, M. Anderle et C.H. Moog, “Embedding the generalized Acrobot into the n-link with unactuated cyclic variable and its application to walking design”, ECC 2013, Zurich, Switzerland, pp. 682 - 689.
- [102] Ü. Kotta, C.H. Moog et M. Tonso, “The Minimal Time-Varying Realization of a Nonlinear Time-Invariant System”, IFAC NOLCOS 2013, Toulouse, France, pp. 518 - 523. dx.doi.org/10.3182/20130904-3-FR-2041.00080
- [103] M. Halas et C.H. Moog, “Definition of Eigenvalues for a Nonlinear System”, IFAC NOLCOS 2013, Toulouse, France, pp. 600 - 605. dx.doi.org/10.3182/20130904-3-FR-2041.00148
- [104] V. Léchappé, Y. Aoustin, L.A. Marquez Martinez et C.H. Moog, “Partial linearization of the PVTOL aircraft with internal stability”, 52nd IEEE CDC, 2013, pp. 2564 - 2569. [dx.doi.org/10.1109/CDC.2013.6760268](https://doi.org/10.1109/CDC.2013.6760268)
- [105] K. Baibeche et C.H. Moog, “Input-State Feedback Linearization of Single-Input Nonlinear Time-Delay Systems”, ECC 2014, Strasbourg, France, Conférence invitée, pp. 460-465. <http://dx.doi.org/10.1109/ECC.2014.6862315>
- [106] H.J. Chang, C.H. Moog et A. Astolfi, “Analysis of the HIV Eradication Phenomenon at the Early Stage of Infection with an Extracellular Deterministic Model”, EMBC Conference 2014, Chicago, August 2014, pp. 330-333. <http://dx.doi.org/10.1109/EMBC.2014.6943596>
- [107] M. Halas, Y. Kawano, C.H. Moog et T. Ohstuka, “Realization of a nonlinear system in the feedforward form: a polynomial approach”, IFAC World Congress, Capetown, South Africa, August 2014, pp. 9480 – 9485. <http://dx.doi.org/10.3182/20140824-6-ZA-1003.00990>

- [108] C. Califano et C.H. Moog, “Coordinates transformations in nonlinear time–delay systems”, 53rd IEEE CDC, Los Angeles, USA, 2014, pp. 475-480.
dx.doi.org/10.1109/CDC.2014.7039426
- [109] N. Magdelaine, L. Chaillous, I. Guilhem, J.Y. Poirier, M. Krempf, C.H. Moog et E. Le Carpentier, “A relevant glucose-insulin dynamics model for type 1 diabetes”, ATTD 2015; 8th International Conference on Advanced Technologies & Treatments of Diabetes, Feb 2015, Paris.
- [110] S. Puga, M. Bonilla, C.H. Moog, M. Malabre and R. Lozano “Singularly perturbed feedback linearization for SISO nonlinear systems”, ECC 2015, Linz, Austria, pp. 3255-3260. dx.doi.org/10.1109/ECC.2015.7331035
- [111] A. Kaldmäe, C.H. Moog, and C. Califano, “Towards integrability for nonlinear time-delay systems”, IFAC MICNON, St Petersburg, 2015, Russia, pp. 910-915.
dx.doi.org/10.1016/j.ifacol.2015.09.305
- [112] T. MohammadRidha, C.H. Moog, E. Delaleau, M. Fliess and C. Join, “A Variable Reference Trajectory for Model-Free Glycemia Regulation”, SIAM Conf. on Control and its Applications, July 2015, Paris, France, pp. 60-67.
<https://hal-polytechnique.archives-ouvertes.fr/hal-01141268>
- [113] T. MohammadRidha and C.H. Moog, “Model Free Control for Type-1 Diabetes: A Fasting-Phase Study”, 9th IFAC Symposium on Biological and Medical Systems, Berlin, Germany, Volume 48, Issue 20, 2015, Pages 76–81.
dx.doi.org/10.1016/j.ifacol.2015.10.118
- [114] S. Li, C. Califano and C.H. Moog, “Characterization of the chained form with delays”, IFAC NOLCOS, Monterey, CA, USA, 2016, pp. 820-825.
- [115] E. Garcia Ramirez, C. Califano, L.A. Marquez Martinez and C.H. Moog, “Observer design based on linearization via input-output injection of time-delay systems”, IFAC NOLCOS, Monterey, CA, USA, 2016, pp. 684-689. Conférence invitée.
- [116] S. Li, C. Califano and C.H. Moog, “On the chained form with delays on the state variables”, IEEE International Conference on Information and Automation, Ningbo, China, August, 2016, pp. 1301-1307, DOI: [10.1109/ICIInfA.2016.7832020](https://dx.doi.org/10.1109/ICIInfA.2016.7832020)
- [117] P.S. Rivadeneira, J.E. Sereno, N. Magdelaine and C.H. Moog, “Observador de Luenberger con medidas discretas aplicado a la dinamica de glucose-insulina”, 25° AADECA 2016, Buenos Aires, Argentine, nov. 2016.
- [118] C. Califano, S. Battilotti and C.H. Moog, “On the geometric interpretation of the polynomial Lie bracket for nonlinear time-delay systems”, IEEE CDC 2016, Las Vegas, NV, USA, dec. 2016, pp. 555 – 560, DOI: [10.1109/CDC.2016.7798327](https://dx.doi.org/10.1109/CDC.2016.7798327).
- [119] E. Garcia-Ramirez, C. Califano, L.A. Marquez-Martinez and C.H. Moog, “Extended approximations of nonlinear time-delay control systems”, 4th CoDIT’17, Barcelona, April 2017, pp. 91-95. DOI: [10.1109/CoDIT.2017.8102572](https://dx.doi.org/10.1109/CoDIT.2017.8102572)
- [120] P.S. Rivadeneira, C.H. Moog, N. Magdelaine and J.E. Sereno, “Blood Glycemia Reconstruction from Discrete Measurements Using an Impulsive Observer”, 20th IFAC WC, Toulouse, July 2017, IFAC-PapersOnLine, 2017, **50**, (1), pp. 14723-14728.
[doi.org/10.1016/j.ifacol.2017.08.2509](https://dx.doi.org/10.1016/j.ifacol.2017.08.2509)

- [121] A.H. Gonzalez, P.S. Rivadeneira, A. Ferramosca, N. Magdelaine, C.H. Moog, "Impulsive Zone MPC for Type I Diabetic Patients Based on a Long-Term Model ", 20th IFAC WC, Toulouse, July 2017, IFAC-PapersOnLine, 2017, **50**, (1), pp. 14729-14734, doi.org/10.1016/j.ifacol.2017.08.2510.
- [122] E. Aranda-Bricaire, C. Califano, C.H. Moog, "Immersion of Nonlinear Systems into Higher Order Systems", 20th IFAC WC, Toulouse, July 2017, IFAC-PapersOnLine, 2017, **50**, (1), pp. 9480-9484, doi.org/10.1016/j.ifacol.2017.08.1581.
- [123] T. MohammadRidha, P.S. Rivadeneira, M. Cardelli, N. Magdelaine and C.H. Moog, "Towards Hypoglycemia Prediction and Avoidance for Type 1 Diabetic Patients", IEEE CDC 2017, Melbourne, Australie, dec. 2017. Conférence invitée, pp. 4118 – 4123. DOI: [10.1109/CDC.2017.8264264](https://doi.org/10.1109/CDC.2017.8264264)
- [124] C. Califano, E. Scharbarg, N. Magdelaine and C.H. Moog, "Diabetic gastroparesis modeling and observer design", 2nd MICNON, IFAC, Guadalajara, Mexico, June 2018, pp. 97-102. DOI: [10.1016/j.ifacol.2018.07.261](https://doi.org/10.1016/j.ifacol.2018.07.261)
- [125] C. Califano and C.H. Moog, "T-Accessibility for a class of nonlinear time-delay systems", American Control Conference, Milwaukee, WI, USA, June 2018. DOI: [10.23919/ACC.2018.8431097](https://doi.org/10.23919/ACC.2018.8431097)
- [126] G. Conte, A.M. Perdon, E. Zattoni and C.H. Moog, "Invariance, Controlled Invariance and Conditioned Invariance in Structured Systems and Applications to Disturbance Decoupling", 8th International Conference on Mechatronics and Control Engineering (ICMCE 2019), Paris, France, July 2019. Conférence invitée, IOP Conference Series: Materials Science and Engineering, vol. 707, P. 012010. DOI: [10.1088/1757-899X/707/1/012010](https://doi.org/10.1088/1757-899X/707/1/012010)
- [127] E. Zattoni, A.M. Perdon, G. Conte and C.H. Moog, "Disturbance Decoupling in Nonlinear Impulsive Systems", IEEE 58th Conference on Decision and Control, Nice, France, December 2019, pp. 6288-6294. DOI: [10.1109/CDC40024.2019.9029881](https://doi.org/10.1109/CDC40024.2019.9029881)
- [128] E. Scharbarg, C. Califano, E. Le Carpentier and C.H. Moog, "Practical identification of a glucose-insulin dynamics model", 21st IFAC World Congress, Berlin, Germany, July 2020. IFAC PapersOnLine, vol.53 (2), pp. 16069-16074. DOI: [10.1016/j.ifacol.2020.12.423](https://doi.org/10.1016/j.ifacol.2020.12.423)
- [129] C. Califano and C.H. Moog, "Feedback linearization of nonlinear time-delay systems over a time window via discontinuous control", 3rd IFAC MICNON, Tokyo, Japan, 15-17 September 2021, pp. 349-354. DOI: doi.org/10.1016/j.ifacol.2021.10.375

D : Colloques sans acte ou avec actes diffusion restreinte

- [1] D.A. Ouattara, C. Moog, F. Bugnon et F. Raffi. Parameters Identification of an HIV/AIDS Dynamical Model. 13th International Symposium on HIV and Emerging Infectious Diseases (13th ISHEID), Juin, 2004, Toulon. 13th International Symposium on HIV and Emerging Infectious Diseases (13th ISHEID), In abstract Book and on <http://www.isheid.com/> (Poster PP 2.24).
- [2] S. Nomm, C. Moog, E. Cottais et Y. Wang. Linearization of the power amplifier in mobile telecommunication. 2nd Workshop CNRS-NSF, Applications of Time-Delay systems, 2004, Nantes, France. [ref:1892].

- [3] H.J. Estrada-Garcia, C. Moog et L.A. Marquez-Martinez. Trajectory Tracking Problem for Nonlinear Time-Delay Multi-Input Multi-Output Systems. Réunion du GT SAR, Avril, 2006, Paris. [ref:2793].
- [4] C. Moog, D.A. Ouattara, C. François-Brunet, F. Bugnon, V. Ferre, E. Andre-Garnier et F. Raffi. Modélisation mathématique de l'infection VIH pour une aide à l'évaluation précoce du succès ou de l'échec thérapeutique. 1er Forum de recherches fondamentales et cliniques sur le VIH : du patient au laboratoire, Avril, 2006, Paris, Institut Pasteur.
- [5] J. Tabun, S. Nomm, U. Kotta et C. Moog. Identifiability of nonlinear systems : computational aspects. 5th MATHMOD, 2006, Vienne, Autriche, <http://www.mathmod.at/index.php?id=5>.
- [6] C. Moog, D.A. Ouattara, C. François-Brunet, F. Bugnon, V. Ferre, E. Andre-Garnier et F. Raffi. Mathematical modelling of HIV infection for an aid in the early diagnosis of therapeutical failures. XVI International AIDS Conference, Aout, 2006, Toronto, CANADA, Abstract Ref.: CDA0120 (On Cdrom at <http://www.aids2006-abstracts.org>).
- [7] T. MohammadRidha, P.S. Rivadeneira, J.E. Sereno, M. Cardelli and C.H. Moog, "Description of the positively invariant sets of a type 1 diabetic patient model", IFAC XVII CLCA 2016, Medellin, Colombie, oct. 2016.
- [8] N. Magdelaine, E. Scharbarg, L. Chaillous, E. Le Carpentier and C.H. Moog, "Clinical assessment of a new biomatrical model for decision making in functional insulin therapy", 11th European Conference on Mathematical and Theoretical Biology, Lisbon, Portugal, July 2018.

G : Rapports de contrats

- [1] A. Isidori et C.H. Moog. Etude des Problèmes de Découplage, Linéarisation et Inversibilité pour les Systèmes Non Linéaires . Rapport final au Contrat CCE n. ST2A-0161-I, 1986. [ref:3066].
- [2] S.A. ACRI, A. Glumineau, M. Guglielmi et C.H. Moog. Guidance, Navigation and Control for Moderate Lift/Drag Reentry - Collection of input data. Contrat ESA, 1991. [ref:3068].
- [3] S.A. ACRI, A. Glumineau, M. Guglielmi et C.H. Moog. Guidance, Navigation and Control for Moderate Lift/Drag Reentry - Mathematical description of guidance techniques. Contrat ESA, 1991. [ref:3069].
- [4] S.A. ACRI, A. Glumineau, M. Guglielmi, E. Le Carpentier et C.H. Moog. Guidance, Navigation and Control for Moderate Lift/Drag Reentry - Mathematical description of control techniques. Contrat ESA, 1991. [ref:3070].
- [5] S.A. ACRI, A. Glumineau, M. Guglielmi, E. Le Carpentier et C.H. Moog. Guidance, Navigation and Control for Moderate Lift/Drag Reentry - Software architecture. Contrat ESA, 1991.
- [6] S.A. ACRI, A. Glumineau, M. Guglielmi, E. Le Carpentier et C.H. Moog. Guidance, Navigation and Control for Moderate Lift/Drag Reentry - Simulation software completion. Contrat ESA, 1992.
- [7] S.A. ACRI, A. Glumineau, M. Guglielmi, E. Le Carpentier et C.H. Moog. Guidance, Navigation and Control for Moderate Lift/Drag Reentry - Performance control laws comparison. Contrat ESA, 1992.

- [8] S.A. ACRI, A. Glumineau, M. Guglielmi, E. Le Carpentier et C.H. Moog. Guidance, Navigation and Control for Moderate Lift/Drag Reentry - Performance guidance laws comparison. Contrat ESA, 1992.
- [9] S.A. ACRI, A. Glumineau, M. Guglielmi, E. Le Carpentier et C.H. Moog. Guidance, Navigation and Control for Moderate Lift/Drag Reentry - Final Report. Contrat ESA, 1992.

J : Diffusion de la connaissance dans le milieu socio-conomique, revues non spécialisées

- [1] D.A. Ouattara, C. Moog et F. Bugnon. Les méthodes de l'automatique pour l'évaluation des multithérapies anti-VIH/Sida. Phare Ouest, Janvier, 2005, Nantes, France, Pages:17. N° 35.
- [2] P. Wester, D.A. Ouattara et C. Moog. Le traitement du sida amélioré grâce à des équations mathématiques. Presse Océan, 7 mai, Mai, 2005, Nantes, France, Pages:1 p..
- [3] M. Lescroart, D.A. Ouattara, C. Moog et F. Bugnon. Les traitements du Sida en équation. Journal du CNRS, Avril, 2005, Nantes, France, Pages:11. N° 35.
- [4] Cérémonie d'accueil de C.H. Moog à l »Académie Mexicaine des Sciences, décembre 2012 :
<http://www.ambafrance-mx.org/Un-francais-a-l-Academie-Mexicaine>
<http://www.cnrs.fr/CNRS-Hebdo/paris-michel-ange/lettre.php?numero=228> - actu3997
<http://www.comunicacion.amc.edu.mx/comunicados/ingresara-claude-moog-a-la-amc/>
- [5] Enrique A. Rabe, C.H. Moog, Santa Fe y Nantes unidas en un proyecto conjunto sobre VIH, El Litoral, 17 Jan. 2013
<http://www.ellitoral.com/index.php/diarios/2013/01/17/medioambiente/MED-02.html>
Sala de Prensa, Presidencia de la Nación Argentina
<http://www.prensa.argentina.ar/2013/01/06/37494-investigadores-argentinos-y-franceses-introducen-las-matematicas-para-tratar-vih.php>