







| Trip down memory lane  |                           |           |         |   |
|--|---------------------------|-----------|---------|---|
| Mathematics Genealogy Project  |                           |           |         |   |
| John William Reyn<br>MathSciNet                                      |                           |           |         |   |
| Ph.D. Technische Universiteit Delft 1961                             |                           |           |         |   |
| Dissertation: Differential-Geometric Considerations on the Hodograph |                           |           |         |   |
| nansionnation  |                           |           |         |   |
| Name   | School                    | Year      |         |   |
| Bakker, Pieter   | Technische Universiteit D | elft 1988 |         |   |
| van Horssen, Wim   | Technische Universiteit D | elft 1988 |         |   |
| de Jager, Paul   | Technische Universiteit D | elft 1989 |         |   |
| van der Beek, Clemens  | Technische Universiteit D | elft 1989 |         |   |
| Zegeling, André  | Technische Universiteit D | elft 1991 |         |   |
| Kooij, Robert  | Technische Universiteit D | elft 1993 |         |   |
| Blom, Caspar   | Technische Universiteit D | elft 1994 |         |   |
| de Winkel, Marco   | Technische Universiteit D | elft 1996 |         |   |
| Haaker, Timber   | Technische Universiteit D | elft 1996 |         |   |
| Huang, Xianhua   | Technische Universiteit D | elft 1996 |         |   |
| Boon, Roland   | Technische Universiteit D | elft 1997 |         |   |
| Timochouk, Leonid  | Technische Universiteit D | elft 1997 | <b></b> |   |
| Boertjens, Gerdineke   | Technische Universiteit D | elft 2000 |         | 5 |











| Image: Coordination of the second systems 3   Image: The second systems 3   Image: The second systems 3   Image: The second systems 11   Cubic Liénard equations with quadratic damping having two antisaddles 11   Image: The second systems 1(2), 163-209   Coexistence of centers and limit cycles in polynomial systems 7   RE Kooij, AZegeling 7   The Rocky Mountain Journal of Mathematics, 621-640 8  |      |
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| Second Scholar 3   Tuning an IP-based Network Transporting Telephony and Videophony<br>J Janssen, DD Vieeschauwer, MJC Buchli, RE Kooij<br>9th COST 263 3   Cubic Liénard equations with quadratic damping having two antisaddles<br>F Dumortier, RE Kooij, C LI<br>Qualitative theory of dynamical systems 1 (2), 163-209 11   Coexistence of centers and limit cycles in polynomial systems<br>RE Kooij, A Zegeling<br>The Rocky Mountain Journal of Mathematics, 621-640 7   Resci constite in planar systems modelling neural activity 6  |      |
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| Tuning an IP-based Network Transporting Telephony and Videophony 3   J Janssen, DD Vleeschauwer, MJC Buchli, RE Kooij 9   9th COST 263 11   Cubic Liénard equations with quadratic damping having two antisaddles 11   F Dumortier, RE Kooij, C Li 11   Qualitative theory of dynamical systems 1 (2), 163-209 7   Coexistence of centers and limit cycles in polynomial systems 7   RE Kooij, AZegeling<br>The Rocky Mountain Journal of Mathematics, 621-640 21-640   Periodic orbits in planar systems modelling neural activity 6         |      |
| Tuning an IP-based Network Transporting Telephony and Videophony 3   J Janssen, DD Vleeschauwer, MJC Buchli, RE Kooij 9th COST 263   Cubic Liénard equations with quadratic damping having two antisaddles 11   F Dumortier, RE Kooij, C Li 10   Qualitative theory of dynamical systems 1 (2), 163-209 7   Cexistence of centers and limit cycles in polynomial systems 7   RE Kooij, A Zegeling 7   The Rocky Mountain Journal of Mathematics, 621-640 8   Periodic orbits in planar systems modelling neural activity 6                    |      |
| Cubic Liénard equations with quadratic damping having two antisaddles 11   F Dumortier, RE Kooij, C Li 11   Qualitative theory of dynamical systems 1 (2), 163-209 11   Coexistence of centers and limit cycles in polynomial systems 7   RE Kooij, A Zegeling 7   The Rocky Mountain Journal of Mathematics, 621-640 11   Periodic orbits in planar systems modelling neural activity 6  | 2001 |
| Coexistence of centers and limit cycles in polynomial systems 7   RE Kooij, A Zegeling 7   The Rocky Mountain Journal of Mathematics, 621-640 8   Periodic orbits in planar systems modelling neural activity 6   | 2000 |
| Periodic orbits in planar systems modelling neural activity   | 2000 |
| RE Kolj, F Gianakopulos<br>Quarterly of Applied Mathematics 58 (3), 437-457   | 2000 |
| End-to-end delay models for interactive services on a large-scale IP network 31 M Mandjes, K van der Wal, R Kooij, H Bastiaansen Proceedings of the 7th workshop on performance modelling and evaluation of   | 1999 |
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| = | Google Sc   | holar   |                                |        |      |    |
|   | Analyzing information<br>E Rietberg, L D'Acunto, R<br>2018 International Confere    | availability in ICN under link<br>Kooij, H van den Berg<br>nce on Information Networking (ICC         | <b>ailures</b><br>IN), 199-204 | 3      | 2018 | 1  |
|   | Quadratic systems wi<br>A Zegeling, R Kooij<br>Electronic Journal of Quali          | th a symmetrical solution<br>ative Theory of Differential Equation                                    | s 2018 (32                     |        | 2018 |    |
|   | Multi-criteria robustne<br>X Wang, Y Koç, S Derrible<br>Physica A: Statistical Mech | ss analysis of metro networks<br>SN Ahmad, WJA Pino, RE Kooij<br>anics and its Applications 474, 19-3 | 1                              | 70     | 2017 |    |
|   | The reliability of a gas<br>W Pino, D Worm, R van de<br>2016 International Confere  | distribution network: A case<br>r Linden, R Kooij<br>nce on System Reliability and Scien              | study<br>ce (ICSRS), 122-129   | 4      | 2016 |    |
|   | Modeling region-base<br>X Wang, RE Kooij, P Van<br>Physical Review E 94 (4),        | d interconnection for interdep<br><sup>Aieghem</sup><br>042315  | endent networks                | 14     | 2016 |    |
|   |   |   |                                |        |      | 12 |

















































|   | Some high level new results   |
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|   | Chaos, Solitons and Fractals 123 (2019) 163-172   |
|   | Contents lists available at ScienceDirect   |
|   | Chaos, Solitons and Fractals<br>Nonlinear Science, and Nonequilibrium and Complex Phenomena |
|   | ELSEVIER journal homepage: www.elsevier.com/locate/chaos                                    |
|   | Frontiers   |
|   | Predator-prey models with non-analytical functional response                                |
| l | Robert E. Kooij <sup>a,b,*</sup> , André Zegeling <sup>c</sup>                              |
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