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  author = {Benner, Peter and Ohlberger, Mario and Cohen, Albert and Willcox, Karen},
  title = {Model Reduction and Approximation: Theory and Algorithms},
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@Article{Benner2017a,
  author = {Benner, Peter and Ohlberger, Mario and Patera, Anthony and Rozza, Gianluigi and Urban, Karsten},
  title = {Model Reduction of Parametrized Systems},
  year = {2017},
  publisher = {Springer},
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@Book{Grivet-Talocia2015,
  title = {Passive macromodeling: Theory and applications},
  publisher = {John Wiley & Sons},
  year = {2015},
  author = {Grivet-Talocia, Stefano and Gustavsen, Bjorn},
  volume = {239},
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@Article{Benner2017b,
  author = {Benner, Peter and Breiten, Tobias},
  title = {Model order reduction based on system balancing},
  journal = {Model Reduction and Approximation: Theory and Algorithms},
  year = {2017},
  volume = {15},
  pages = {261},
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}

@InProceedings{Benner2014,
  author = {Benner, Peter and Dufrechou, Ernesto and Ezzatti, Pablo and Igounet, Pablo and Quintana-Ort{\`{i}}, Enrique S and Rem{\`{o}}n, Alfredo},
  title = {Accelerating band linear algebra operations on GPUs with application in model reduction},
  booktitle = {International Conference on Computational Science and Its Applications},
  year = {2014},
  pages = {386--400},
  organization = {Springer},
}

@Book{Iapichino2016,
  title = {Reduced-order multiobjective optimal control of semilinear parabolic problems},
  publisher = {Springer},
  year = {2016},
  author = {Iapichino, Laura and Trenz, Stefan and Volkwein, Stefan},
}

@InProceedings{Karasoezen2016,
  author = {Karas{\`{o}}zen, B{\`{u}}lent and Uzunca, Murat and K{\`{u}}{\`{c}}{\`{c}}{\`{u}}kseyhan, Tu{\`{u}}{\`{g}}ba},
  title = {Model Order Reduction for Pattern Formation in FitzHugh-Nagumo Equations},
  booktitle = {Numerical Mathematics and Advanced Applications ENUMATH 2015},
  year = {2016},
  pages = {369--377},
  organization = {Springer},
}

@InCollection{Uzunca2017,
  author = {Uzunca, Murat and Karas{\`{o}}zen, B{\`{u}}lent},
  title = {Energy stable model order reduction for the Allen-Cahn equation},
  booktitle = {Model Reduction of Parametrized Systems},
  publisher = {Springer},
  year = {2017},
  pages = {403--419},
}

@Article{Banagaaya2015,
  author = {Banagaaya, Nicodemus and Feng, Lihong and Meuris, Peter and Schoenmaker, Wim and Benner, Peter},
  title = {Model Order Reduction of an Electro-Thermal Package Model},
  journal = {IFAC-PapersOnLine},
  year = {2015},
}

```

```

    volume = {48},
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@Article{Benner2015,
  author = {Benner, Peter and Breiten, Tobias},
  title = {Two-sided projection methods for nonlinear model order reduction},
  journal = {SIAM Journal on Scientific Computing},
  year = {2015},
  volume = {37},
  number = {2},
  pages = {B239--B260},
  publisher = {SIAM},
}

@Article{Benner2015a,
  author = {Benner, Peter and Rem{o}n, Alfredo and Dufrechou, Ernesto and Ezzatti, Pablo and Quintana-Ort{i}, Enrique S},
  title = {Extending lyapack for the solution of band Lyapunov equations on hybrid CPU--GPU platforms},
  journal = {The Journal of Supercomputing},
  year = {2015},
  volume = {71},
  number = {2},
  pages = {740--750},
  publisher = {Springer},
}

@Article{Benner2016,
  author = {Benner, Peter and K{u}rschner, Patrick and Tomljanovi{c}, Zoran and Truhar, Ninoslav},
  title = {Semi-active damping optimization of vibrational systems using the parametric dominant pole algorithm},
  journal = {ZAMM-Journal of Applied Mathematics and Mechanics/Zeitschrift f{u}r Angewandte Mathematik und Mechanik},
  year = {2016},
  volume = {96},
  number = {5},
  pages = {604--619},
  publisher = {Wiley Online Library},
}

@Article{Benner2015b,
  author = {Benner, Peter and Dufrechou, Ernesto and Ezzatti, Pablo and Quintana-Ort{i}, Enrique S and Rem{o}n, Alfredo},
  title = {Unleashing GPU acceleration for symmetric band linear algebra kernels and model reduction},
  journal = {Cluster Computing},
  year = {2015},
  volume = {18},
  number = {4},
  pages = {1351--1362},
  publisher = {Springer},
}

@Article{Burkovska2014,
  author = {O. Burkovska and B. Haasdonk and J. Salomon and B. Wohlmuth},
  title = {Reduced Basis Methods For Pricing Options With The Black-Scholes And Heston Model},
  journal = {SIAM J. Fin. Math.},
  year = {2015},
  volume = {6},
  number = {1},
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@Article{DeLuca2015,
  author = {De Luca, Giovanni and Antonini, Giulio and Benner, Peter},
  title = {Parallel Model Order Reduction for Sparse Electromagnetic/Circuit Models.},
  journal = {Applied Computational Electromagnetics Society Journal},
  year = {2015},
  volume = {30},
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}

```

```

@Article{DeLuca2017,
  author = {De Luca, Giovanni and Bolcato, Pascal and Larcheveque, Remi and Rommes, Joost and Schilders, Wil HA},
  title = {Fast and accurate time-domain simulations of integer-N PLLs},
  journal = {IEEE Transactions on Circuits and Systems I: Regular Papers},
  year = {2017},
  volume = {64},
  number = {4},
  pages = {931--944},
  publisher = {IEEE},
}

@Article{Feng2016,
  author = {Feng, Lihong and Yue, Yao and Banagaaya, Nicodemus and Meuris, Peter and Schoenmaker, Wim and Benner, Peter},
  title = {Parametric modeling and model order reduction for (electro-) thermal analysis of nanoelectronic structures},
  journal = {Journal of Mathematics in Industry},
  year = {2016},
  volume = {6},
  number = {1},
  pages = {10},
  publisher = {Springer},
}

@Article{Freitas2016,
  author = {Freitas, Francisco Damascene and Pulch, Roland and Rommes, Joost},
  title = {Fast and accurate model reduction for spectral methods in uncertainty quantification},
  journal = {International Journal for Uncertainty Quantification},
  year = {2016},
  volume = {6},
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}

@Article{Giraldi2015,
  author = {Giraldi, Lo{"i}c and Liu, Dishu and Matthies, Hermann G and Nouy, Anthony},
  title = {To be or not to be intrusive? The solution of parametric and stochastic equations---Proper Generalized Decomposition},
  journal = {SIAM Journal on Scientific Computing},
  year = {2015},
  volume = {37},
  number = {1},
  pages = {A347--A368},
  publisher = {SIAM},
}

@Article{Giraldi2014,
  author = {Giraldi, Lo{"i}c and Litvinenko, Alexander and Liu, Dishu and Matthies, Hermann G and Nouy, Anthony},
  title = {To be or not to be intrusive? The solution of parametric and stochastic equations---the "plain vanilla" Galerkin case},
  journal = {SIAM Journal on Scientific Computing},
  year = {2014},
  volume = {36},
  number = {6},
  pages = {A2720--A2744},
  publisher = {SIAM},
}

@Article{Grivet-Talocia2016,
  author = {Grivet-Talocia, S and Gustavsen, B},
  title = {Black-box macromodeling and its EMC applications},
  journal = {IEEE ELECTROMAGNETIC COMPATIBILITY MAGAZINE},
  year = {2016},
  volume = {5},
  number = {3},
  pages = {71--78},
  publisher = {IEEE},
}

@Article{Grivet-Talocia2015a,
  author = {Grivet-Talocia, Stefano and Signorini, Gianni and Olivadese, Salvatore Bernardo and Siviero, Claudio and Brenner, Pietro},
  title = {Thermal noise compliant synthesis of linear lumped macromodels},
  journal = {IEEE Transactions on Components, Packaging and Manufacturing Technology},

```

```

year      = {2015},
volume    = {5},
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publisher = {IEEE},
}

@Article{Iapichino2013,
author    = {Iapichino, Laura and Ulbrich, Stefan and Volkwein, Stefan},
title     = {Multiobjective PDE-constrained optimization using the reduced-basis method},
journal   = {Advances in Computational Mathematics},
year      = {2013},
pages     = {1--28},
publisher = {Springer},
}

@Article{Jarlebring2014,
author    = {Jarlebring, Elias and Kvaal, Simen and Michiels, Wim},
title     = {An inverse iteration method for eigenvalue problems with eigenvector nonlinearities},
journal   = {SIAM Journal on Scientific Computing},
year      = {2014},
volume    = {36},
number    = {4},
pages     = {A1978--A2001},
publisher = {SIAM},
}

@Article{Karasoezen2015,
author    = {Karas{o}zen, B{u}lent and Akkoyunlu, Canan and Uzunca, Murat},
title     = {Model order reduction for nonlinear Schr{o}dinger equation},
journal   = {Applied Mathematics and Computation},
year      = {2015},
volume    = {258},
pages     = {509--519},
publisher = {Elsevier},
}

@Article{Karasoezen2015a,
author    = {Karas{o}zen, B{u}lent and K{u}{c}{u}kseyhan, Tu{g}ba and Uzunca, Murat},
title     = {Structure preserving integration and model order reduction of skew-gradient reaction--
diffusion systems},
journal   = {Annals of Operations Research},
year      = {2015},
pages     = {1--28},
publisher = {Springer},
}

@Article{Kaulmann2015,
author    = {Kaulmann, Sven and Flemisch, Bernd and Haasdonk, Bernard and Lie, K-A and Ohlberger, Mario},
title     = {The localized reduced basis multiscale method for two-phase flows in porous media},
journal   = {International Journal for Numerical Methods in Engineering},
year      = {2015},
volume    = {102},
number    = {5},
pages     = {1018--1040},
publisher = {Wiley Online Library},
}

@Article{Koskela2016,
author    = {Koskela, Antti and Jarlebring, Elias and Hochstenbach, Michiel E},
title     = {Krylov approximation of linear odes with polynomial parameterization},
journal   = {SIAM Journal on Matrix Analysis and Applications},
year      = {2016},
volume    = {37},
number    = {2},
pages     = {519--538},
publisher = {SIAM},
}

@Article{Martini2017,
author    = {Martini, Immanuel and Haasdonk, Bernard and Rozza, Gianluigi},
title     = {Certified Reduced Basis Approximation for the Coupling of Viscous and Inviscid Parametrized
Flow Models},
journal   = {Journal of Scientific Computing},
year      = {2017},
pages     = {1--23},
}

```

```

publisher = {Springer},
}

@Article{Martini2015,
author    = {Martini, Immanuel and Rozza, Gianluigi and Haasdonk, Bernard},
title     = {Reduced basis approximation and a-posteriori error estimation for the coupled Stokes-Darcy
system},
journal   = {Advances in Computational Mathematics},
year      = {2015},
volume    = {41},
number    = {5},
pages     = {1131--1157},
publisher = {Springer},
}

@Article{Massoudi2016,
author    = {Massoudi, Arash and Opmeer, Mark R and Reis, Timo},
title     = {Analysis of an iteration method for the algebraic Riccati equation},
journal   = {SIAM Journal on Matrix Analysis and Applications},
year      = {2016},
volume    = {37},
number    = {2},
pages     = {624--648},
publisher = {SIAM},
}

@Article{Massoudi2017,
author    = {Massoudi, Arash and Opmeer, Mark R and Reis, Timo},
title     = {The ADI method for bounded real and positive real Lur,Äoe equations},
journal   = {Numerische Mathematik},
year      = {2017},
volume    = {135},
number    = {2},
pages     = {431--458},
publisher = {Springer},
}

@Article{Olivadese2014,
author    = {Olivadese, Salvatore Bernardo and Grivet-Talocia, Stefano and Siviero, Claudio and Kaller,
Dierk},
title     = {Macromodel-based iterative solvers for simulation of high-speed links with nonlinear
terminations},
journal   = {IEEE Transactions on Components, Packaging and Manufacturing Technology},
year      = {2014},
volume    = {4},
number    = {11},
pages     = {1847--1861},
publisher = {IEEE},
}

@Article{Olivadese2015,
author    = {Olivadese, Salvatore Bernardo and Signorini, Gianni and Grivet-Talocia, Stefano and Brenner,
Pietro},
title     = {Parameterized and dc-compliant small-signal macromodels of RF circuit blocks},
journal   = {IEEE Transactions on Components, Packaging and Manufacturing Technology},
year      = {2015},
volume    = {5},
number    = {4},
pages     = {508--522},
publisher = {IEEE},
}

@Article{Opmeer2015,
author    = {Opmeer, Mark R and Reis, Timo},
title     = {A lower bound for the balanced truncation error for mimo systems},
journal   = {IEEE Transactions on Automatic Control},
year      = {2015},
volume    = {60},
number    = {8},
pages     = {2207--2212},
publisher = {IEEE},
}

@Article{Pulch2015,
author    = {Pulch, Roland and ter Maten, E Jan W},
title     = {Stochastic Galerkin methods and model order reduction for linear dynamical systems},

```

```

journal = {International Journal for Uncertainty Quantification},
year = {2015},
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}

@Article{Pulch2015a,
author = {Pulch, Roland and ter Maten, E Jan W and Augustin, Florian},
title = {Sensitivity analysis and model order reduction for random linear dynamical systems},
journal = {Mathematics and Computers in Simulation},
year = {2015},
volume = {111},
pages = {80--95},
publisher = {Elsevier},
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@Article{Signorini2016,
author = {Signorini, Gianni and Siviero, Claudio and Grivet-Talocia, Stefano and Stievano, Igor S},
title = {Macromodeling of I/O Buffers via Compressed Tensor Representations and Rational
Approximations},
journal = {IEEE Transactions on Components, Packaging and Manufacturing Technology},
year = {2016},
volume = {6},
number = {10},
pages = {1522--1534},
publisher = {IEEE},
}

@Article{Alla2015,
author = {Alla, Alessandro and Falcone, Maurizio and Volkwein, Stefan},
title = {Error analysis for POD approximations of infinite horizon problems via the dynamic programming
approach},
journal = {arXiv preprint arXiv:1511.00265},
year = {2015},
}

@Article{Beattie2017,
author = {Beattie, Christopher and Mehrmann, Volker and Xu, Hongguo and Zwart, Hans},
title = {Port-Hamiltonian descriptor systems},
journal = {arXiv preprint arXiv:1705.09081},
year = {2017},
}

@Article{Falco2016,
author = {Falco, Antonio and Hackbusch, Wolfgang and Nouy, Anthony},
title = {On the Dirac-Frenkel Variational Principle on Tensor Banach Spaces},
journal = {arXiv preprint arXiv:1610.09865},
year = {2016},
}

@InProceedings{Banagaaya2016,
author = {Banagaaya, Nicodemus and Feng, Lihong and Schoenmaker, Wim and Meuris, Peter and Wieers,
Aarnout and Gillon, Renaud and Benner, Peter},
title = {Model order reduction for nanoelectronics coupled problems with many inputs},
booktitle = {Proceedings of the 2016 Conference on Design, Automation & Test in Europe},
year = {2016},
pages = {313--318},
organization = {EDA Consortium},
}

@InProceedings{Kula2017,
author = {Kula, Sebastian and Lup, Aurel-Sorin},
title = {Parametrized reduced model of RF MEMS capacitive switch},
booktitle = {Advanced Topics in Electrical Engineering (ATEE), 2017 10th International Symposium on},
year = {2017},
pages = {529--532},
organization = {IEEE},
}

@InProceedings{Lefteriu2016,
author = {Lefteriu, Sanda and Grivet-Talocia, Stefano},
title = {Loewner-based macromodeling with exact interpolation constraints},
booktitle = {Electrical Performance Of Electronic Packaging And Systems (EPEPS), 2016 IEEE 25th
Conference on},
year = {2016},
}

```

```

    pages      = {43--46},
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@InProceedings{Schulze2016,
  author      = {Schulze, Philipp and Ionescu, Tudor C and Scherpen, Jacquelin MA},
  title       = {Families of moment matching-based reduced order models for linear descriptor systems},
  booktitle   = {Control Conference (ECC), 2016 European},
  year        = {2016},
  pages       = {1964--1969},
  organization = {IEEE},
}

@InProceedings{Siviero2015,
  author      = {Siviero, Claudio and Grivet-Talocia, S and Stievano, Igor Simone and Signorini, Gianni},
  title       = {Behavioral macromodeling of high-speed drivers via compressed tensor representations},
  booktitle   = {Numerical Electromagnetic and Multiphysics Modeling and Optimization (NEMO), 2015 IEEE MTT-
S International Conference on},
  year        = {2015},
  pages       = {1--3},
  organization = {IEEE},
}

@InProceedings{Yue2015,
  author      = {Yue, Yao and Feng, Lihong and Meuris, Peter and Schoenmaker, Wim and Benner, Peter},
  title       = {Application of Krylov-type parametric model order reduction in efficient uncertainty
quantification of electro-thermal circuit models},
  booktitle   = {36th Progress In Electromagnetics Research Symposium},
  year        = {2015},
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```