



Publikationsbericht 2013

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1. Leitung

Prof. Dr. rer. nat. habil. Alexander Pott (Dekan)
Prof. Dr. rer. nat. habil. Rainer Schwabe (Prodekan und Studiendekan)

2. Veröffentlichungen

Dissertationen

Abdelrahman, Mahmoud Abdelaziz Elbiomy; Kunik, Matthias [Gutachter]

Analytical and numerical investigation of the ultra-relativistic Euler equations. - Magdeburg, Univ., Fak. für Mathematik, Diss., 2013; VI, 176 S.: graph. Darst.;

Breiten, Tobias; Benner, Peter [Gutachter]

Interpolatory methods for model reduction of large-scale dynamical systems. - Magdeburg, Univ., Fak. für Mathematik, Diss., 2013, 2012; XX, 179 S.: graph. Darst.;

Cueto Camejo, Carlos; Warnecke, Gerald [Gutachter]

The singular coagulation and coagulation-fragmentation equations. - Magdeburg, Univ., Fak. für Mathematik, Diss., 2013; VI, 115 S.: graph. Darst.;

Han, Ee; Warnecke, Gerald [Gutachter]

Exact Riemann solutions to two selected resonant hyperbolic systems. - Magdeburg, Univ., Fak. für Mathematik, Diss., 2013, 2012; VI, 162 S.: graph. Darst.;

Javeed, Shumaila; Warnecke, Gerald [Gutachter]

Analysis and numerical investigation of dynamic models for liquid chromatography. - Magdeburg, Univ., Fak. für Mathematik, Diss., 2013, 2012; XV, 138 S.: graph. Darst.;

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1. Leitung

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PD Dr. Gohar Kyureghyan

2. Veröffentlichungen

Begutachtete Zeitschriftenaufsätze

Aliev, Iskander; Henk, Martin; Linke, Eva

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Priv.-Doz. Dr. Bernd Rummeler

2. Veröffentlichungen

Begutachtete Zeitschriftenaufsätze

Abdelrahman, Mahmoud; Kunik, Matthias

The interaction of waves for the ultra-relativistic Euler equations
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Bannasch, Sebastian; Rose, Gerd; Warnecke, Gerald

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Hinze, Michael; Deckelnick, Klaus

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Sweers, Guido; Grunau, Hans-Christoph

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Breiten, Tobias; Benner, Peter [Gutachter]

Interpolatory methods for model reduction of large-scale dynamical systems. - Magdeburg, Univ., Fak. für Mathematik, Diss., 2013, 2012; XX, 179 S.: graph. Darst.;

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Exact Riemann solutions to two selected resonant hyperbolic systems. - Magdeburg, Univ., Fak. für Mathematik, Diss., 2013, 2012; VI, 162 S.: graph. Darst.;

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Analysis and numerical investigation of dynamic models for liquid chromatography. - Magdeburg, Univ., Fak. für Mathematik, Diss., 2013, 2012; XV, 138 S.: graph. Darst.;

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2. Veröffentlichungen

Begutachtete Zeitschriftenaufsätze

Averkov, Gennadiy

Constructive Proofs of some Positivstellensätze for Compact Semialgebraic Subsets of \mathbb{R}^d
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[Imp.fact.: 1,423]

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In: SIAM journal on discrete mathematics. - Philadelphia, Pa: Soc, Bd. 27.2013, 3, S. 1610-1624;
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Averkov, Gennadiy

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In: Beiträge zur Algebra und Geometrie. - Berlin: Springer, Bd. 54.2013, 1, S. 105-109;

Carballo, Lester; Vakhania, Nodari; Werner, Frank

A comparative computational study of the effect of the preliminary reduction for the classical and multiprocessor job-shop scheduling problems
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In: Magdeburg: Univ., Fak. für Mathematik, 2013; 20 S. - (Preprint / Fakultät für Mathematik, Otto-von-Guericke-Universität Magdeburg; 2013,2);

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Gholami, Omid; Sotskov, Yuri; Werner, Frank

Fast edge-orientation heuristics for job-shop scheduling problems with applications to train scheduling

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Gouveia, João; Grappe, Roland; Kaibel, Volker; Pashkovich, Kanstantsin; Robinson, Richard Z.; Thomas, Rekha R.

Which nonnegative matrices are slack matrices?

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