

Philipp A-ffner

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3049981/publications.pdf>

Version: 2024-02-01

19
papers

358
citations

840776

11
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

105
citing authors

#	ARTICLE	IF	CITATIONS
1	Summation-by-parts operators for correction procedure via reconstruction. Journal of Computational Physics, 2016, 311, 299-328.	3.8	89
2	Analysis of the SBP-SAT Stabilization for Finite Element Methods Part I: Linear Problems. Journal of Scientific Computing, 2020, 85, 43.	2.3	31
3	Stability of artificial dissipation and modal filtering for flux reconstruction schemes using summation-by-parts operators. Applied Numerical Mathematics, 2018, 128, 1-23.	2.1	29
4	Reinterpretation and extension of entropy correction terms for residual distribution and discontinuous Galerkin schemes: Application to structure preserving discretization. Journal of Computational Physics, 2022, 453, 110955.	3.8	27
5	Arbitrary high-order, conservative and positivity preserving Patankar-type deferred correction schemes. Applied Numerical Mathematics, 2020, 153, 15-34.	2.1	26
6	Extended skew-symmetric form for summation-by-parts operators and varying Jacobians. Journal of Computational Physics, 2017, 342, 13-28.	3.8	24
7	Analysis of the SBP-SAT Stabilization for Finite Element Methods Part II: Entropy Stability. Communications on Applied Mathematics and Computation, 2023, 5, 573-595.	1.7	21
8	L_2 Stability of Explicit Runge-Kutta Schemes. Journal of Scientific Computing, 2018, 75, 1040-1056.	2.3	19
9	Stability of correction procedure via reconstruction with summation-by-parts operators for Burgers' equation using a polynomial chaos approach. ESAIM: Mathematical Modelling and Numerical Analysis, 2018, 52, 2215-2245.	1.9	18
10	Application of modal filtering to a spectral difference method. Mathematics of Computation, 2017, 87, 175-207.	2.1	15
11	Stable discretisations of high-order discontinuous Galerkin methods on equidistant and scattered points. Applied Numerical Mathematics, 2020, 151, 98-118.	2.1	13
12	Error Boundedness of Discontinuous Galerkin Methods with Variable Coefficients. Journal of Scientific Computing, 2019, 79, 1572-1607.	2.3	11
13	DeC and ADER: Similarities, Differences and a Unified Framework. Journal of Scientific Computing, 2021, 87, 1.	2.3	11
14	Towards stable radial basis function methods for linear advection problems. Computers and Mathematics With Applications, 2021, 85, 84-97.	2.7	7
15	Detecting Strength and Location of Jump Discontinuities in Numerical Data. Applied Mathematics, 2013, 04, 1-14.	0.4	7
16	Artificial Viscosity for Correction Procedure via Reconstruction Using Summation-by-Parts Operators. Springer Proceedings in Mathematics and Statistics, 2018, , 363-375.	0.2	5
17	Spectral convergence for orthogonal polynomials on triangles. Numerische Mathematik, 2013, 124, 701-721.	1.9	2
18	General polytopal $H(\text{div})$ -conformal finite elements and their discretisation spaces. ESAIM: Mathematical Modelling and Numerical Analysis, 2021, 55, S677-S704.	1.9	1

#	ARTICLE	IF	CITATIONS
19	Correction Procedure via Reconstruction Using Summation-by-Parts Operators. Springer Proceedings in Mathematics and Statistics, 2018, , 491-501.	0.2	0