Journal

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Contents

1 Computer Science Journal

2 Engineering Journal

2.1 Numerical Heat Transfer, Part B: Fundamentals

- IF 2020: 1.586.

- 5-Year IF 2020: 1.506.

- SJR 2020: Q2, 0.547.

2.2 OpenFOAM Journal

The *OpenFOAM Journal* aims at publishing works related to the OpenFOAM computational library, with focus on the benefit for the OpenFOAM community, is free to publish and open-access. The journal has a strong focus on *reproducibility*. Authors are required to present their results in a reproducible form, preferably by sharing codes and case setups used to generate their results, or alternatively by describing numerical settings, solver modifications, etc., in a sufficient level of detail.

3 Mathematical Journal

3.1 Advances in Computational Mathematics

- H-index: 61.

- IF 2020: 1.910.

- 5-Year IF 2020: 1.995.

- SJR 2020: Q1, 1.

Advances in Computational Mathematics publishes high quality, accessible, and original articles at the forefront of computational and applied mathematics, with a clear potential for impact across the sciences.

The journal emphasizes 3 core areas:

1. approximation theory and computational geometry,

2. numerical analysis, modeling and simulation,

3. imaging, signal processing and data analysis.

This journal welcomes papers that are accessible to a broad audience in the mathematical sciences and that show either an advance in computational methodology or a novel scientific application area, or both. Methods papers should rely on rigorous analysis and/or convincing numerical studies.

3.2   Advanced Nonlinear Studies (ANS)

- H-index: 36.

- IF: 1.446.

- SJR 2020: Q1, 1.31.

Advanced Nonlinear Studies (ANS) publishes cutting-edge research on nonlinear problems, particularly those involving Integral and Partial Differential Equations, Dynamical Systems, Calculus of Variations, Geometric Analysis, and related areas. ANS also publishes novel and interesting applications of these areas to problems in biology, engineering, materials sciences, physics, and other sciences.

NQBH's contributions.   Dao, Díaz, and Nguyen, 2020.

3.3   Analysis & PDE (APDE)

- H-index: 39.

- SJR 2020: Q1, 3.11.

Analysis & PDE (APDE) aims to be the leading specialized scholarly publication in mathematical analysis. The purpose of APDE is the advancement of mathematics.

NQBH's favorite articles.   Tao, 2013.

3.4   ESAIM. Control, Optimisation and Calculus of Variations (ESAIM: COCV)

- IF: 1.619.

- 5-Year IF: 1.594.

- SJR 2020: Q1, 1.02.

3.5   International Journal for Numerical Methods in Fluids

- IF: 2.107.

- SJR 2020: Q1, 0.94.

3.6   Journal of Mathematical Fluid Mechanics

- IF 2020: 1.298.

- 5-Year IF 2020: 1.453.

- SJR 2020: Q1, 1.

3.7   Mathematics of Computation (MCOM)

- Journal Citation Reports' IF: 2.417.

- SJR 2020: Q1, 1.95.

3.8   SIAM Journal on Control & Optimization (SICON)

- SJR 2020: Q1, 1.49.

4   Physical Journal

4.1   Journal of Computational Physics

- IF: 3.553.

- SJR 2020: Q1, 1.88.

References

Dao, Nguyen Anh, Jesus Ildefonso Díaz, and Quan Ba Hong Nguyen (2020). "Pointwise gradient estimates in multi-dimensional slow diffusion equations with a singular quenching term". In: *Adv. Nonlinear Stud.* 20.2, pp. 477–502. ISSN: 1536-1365. DOI: 10.1515/ans-2020-2076. URL: https://doi.org/10.1515/ans-2020-2076.

Tao, Terence (2013). "Localisation and compactness properties of the Navier-Stokes global regularity problem". In: *Anal. PDE* 6.1, pp. 25–107. ISSN: 2157-5045. DOI: 10.2140/apde.2013.6.25. URL: https://doi.org/10.2140/apde.2013.6.25.