

Interactive comment on “ConvectiveFoam1.0: development and benchmarking of a infinite-Pr number solver” by Sara Lenzi et al.

Anonymous Referee #1

Received and published: 2 May 2020

The infinite-Pr limit was considered at length in Vynnycky, M. & Masuda, Y., Rayleigh-Bénard convection at high Rayleigh number and infinite Prandtl number: asymptotics and numerics, Phys. Fluids 25 (2013) Article number 113602

Refs. 2-9 therein consider numerical solutions to the problem, whereas Vynnycky & Masuda themselves attempt to reconcile their own numerical and asymptotic solutions.

Other relevant references (see Clarivate Analytics Web of Science) may be:

Numerical Simulation of Two-Dimensional Rayleigh-Benard Convection By: Grigoriev, Vasilii V.; Zakharov, Petr E. Conference: 8th International Conference on Mathematical Modeling (ICMM) Location: NE Fed Univ, Yakutsk, RUSSIA Date: JUL 04-08, 2017 Sponsor(s): Ammosov NE Fed Univ PROCEEDINGS OF THE 8TH INTERNA-

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TIONAL CONFERENCE ON MATHEMATICAL MODELING (ICMM-2017) Book Series:
AIP Conference Proceedings Volume: 1907 Article Number: UNSP 030031 Published:
2017

Numerical simulation of two-dimensional Rayleigh-Benard convection in an enclosure
By: Ouertatani, Nasreddine; Ben Cheikh, Nader; Ben Beya, Brahim; et al. COMPTES
RENDUS MECANIQUE Volume: 336 Issue: 5 Pages: 464-470 Published: MAY 2008

Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2020-28>,
2020.

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