

# Mikhail V. Popov

Email: [mikhail.v.popov@gmail.com](mailto:mikhail.v.popov@gmail.com)

## Current position

**École Normale Supérieure de Lyon, CRAL, Lyon  
France**

*Scientific researcher*

**Keldysh Institute of Applied Mathematics RAS,  
Moscow, Russia**

*Scientific researcher*



M. Popov is doctor of physics. He has a strong research activity in astrophysics, hydrodynamics and numerical simulations.

## Recent publications

M.V. Popov , A.A. Filina, A.A. Baranov, P. Chardonnet, V.M. Chechetkin, Multidimensional Simulations of Pair-Instability Supernovae, *Astronomy & Astrophysics*, 783, p.43, 2014

A.A. Baranov, P. Chardonnet, V.M. Chechetkin, A.A. Filina, M.V. Popov, Aspherical Nucleosynthesis in the He-layer of a Core-collapse Supernova Using the Tracer Particles Method, *The Astrophysical Journal*, 558, A10, 2013

Popov, M. V.; Elizarova, T. G.; Ustyugov, S. D., Quasi-Gasdynamical Approach for Numerical Solution of Magnetohydrodynamic Equations, eprint arXiv:1305.5317, 2013

M.V. Popov, Piecewise parabolic method on a local stencil in cylindrical coordinates for fluid dynamics simulations, *Computational Mathematics and Mathematical Physics*, Volume 52, Issue 8, pp.1186-1201, 2012