

Chechetkin Valeri

Position: Professor
M I P H U , Moscow, Russia
Period covered: 1998-present



I Scientific Work

Fluid Dynamics:

The Raleigh-Taylor instability and other hydrodynamic instabilities, Turbulence, Shocks, Explosions;

Combustion:

Turbulent flames, Detonation, Flame ignition;

Nonlinear Physics:

Front propagation, Instabilities, Fractals;

Electrodynamics and Plasma Physics:

Plasma instabilities, Magnetohydrodynamics;

Astrophysics:

Supernova events, Thermonuclear explosions, White dwarfs, Jets, Nucleosynthesis, Neutron Stars, Accretion Discs, Black Holes, High-Particles in Astrophysics.

Leader in 6 successful projects

Publications

Books and monographs	4
Articles in refereed journals	200
Invited papers in books	12
Conference reports	24