

## ***Interactive comment on “A method to calculate Finite-Time Lyapunov Exponents for inertial particles in incompressible flows” by D. Garaboa and V. Pérez-Mu nuzuri***

### **Anonymous Referee #1**

Received and published: 19 August 2015

The paper describes a new method for calculating Finite Time Lyapunov Exponents taking into account the initial velocities of the particles. As the paper convincinly argues, dispersion of particles is quite dependent on initial velocities and hence they should be accounted.

The paper is clear and well written in general (except for the abuse of Saxon genitive). The evidence is convincing and well-presented. Sole objection: taking into account that the method is ilustrated on theoretical flows, it would be interesting to present the theoretical results of the calculation for the actual eigenvalues, if the calculus is feasible.

C329

Therefore the paper seems acceptable in its present form to me.

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Interactive comment on Nonlin. Processes Geophys. Discuss., 2, 989, 2015.

C330