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*Long time behavior of solutions of Primitive Equations*

The Primitive Equations (PEs) are a fundamental set of partial differential equations in geophysics modeling large scale motion of ocean and atmosphere on earth. The global wellposedness theory for strong solutions and existence of global attractor for these solutions were established about a decade ago. In this talk, some new results about the long-time behavior of the solutions of PEs obtained recently by the speaker and cooperator will be presented. These are about finite dimensions of global attractor of strong solutions.  $H^2$  regularity and uniqueness of z-weak solutions will also be discussed if time permits.