## 1030-35-414 **Igor Kukavica**<sup>\*</sup> (kukavica@usc.edu) and **Mohammed Ziane**. Regularity of the Primitive Equations of the Ocean.

We prove the existence of global strong solutions of the primitive equations of the ocean in the case of the Dirichlet boundary conditions on the side and the bottom. (Received August 07, 2007)