

1142-35-113

Ning Ju* (ning.ju@okstate.edu), 401 Mathematical Sciences, Stillwater, OK 74078. *Some results on existence and uniqueness of weak solutions to the primitive equations for large scale ocean dynamics.*

Some recent results obtained by the speaker on existence and uniqueness of weak solutions for primitive equations with dissipation will be presented and discussed. Some related existing results in the literature will also be briefly reviewed. (Received August 31, 2018)