ROBUSTNESS OF INSTABILITY OF TWO–LAYER QUASI–GEOSTROPHIC EQUATIONS

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Abstract. In this article, we investigate the instability of two-layer quasi-geostrophic equations, which is a prototypical geophysical fluid model. It is proved that any equilibrium which is sufficiently close to an unstable equilibrium is also unstable.


Keywords and phrases: linear instability, Lyapunov exponent, quasi-geostrophic equations.

REFERENCES