Ertel's Potential Vorticity and Irreversible Processes

Wilfried Schröder[a] and Hans-Jürgen Treder[b]

[a] Hechelstrasse 8, D-28777 Bremen-Roennebeck
[b] Rosa-Luxemburg-Strasse 17, D-14482 Postdam

According to Ertel's potential vorticity the thermodynamical parameters in the equation of state define the forces which move the vortices and modify them in space and time.

Key words: Ertel's Potential Vorticity Theorem.