(a) Westward propagation
Wavenumber $n = 1$

- Dimensionless frequency $\sigma$
- Mixed Rossby–gravity wave
- Rotational (Rossby) modes

(b) Eastward propagation
Wavenumber $n = 1$

- Inertial (Kelvin) wave
- Mixed Rossby–gravity wave
- Rotational (Rossby) modes