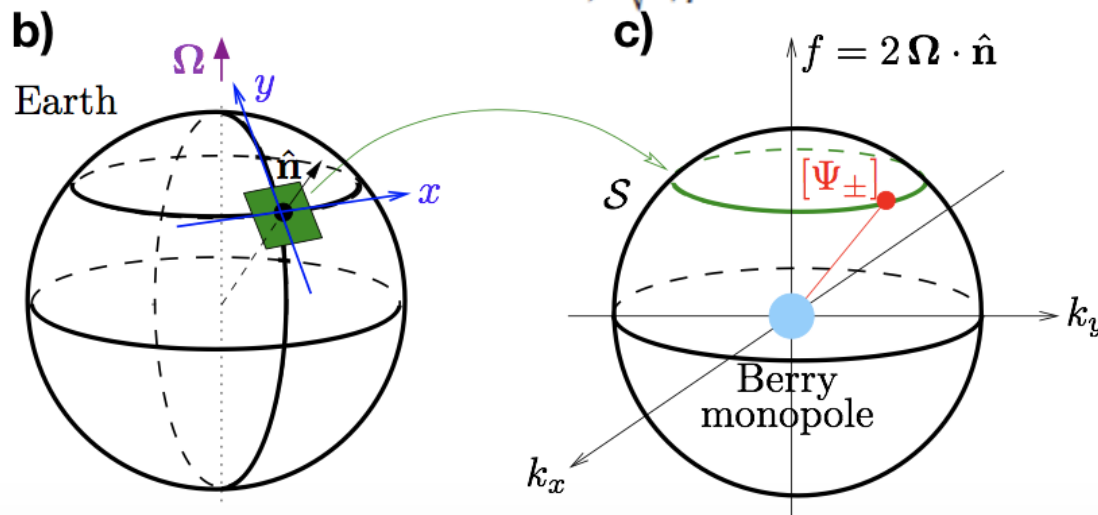


a– Dispersion relation of equatorial waves [11].



b and c–We explained the Existence of two unidirectional modes filling the frequency gap, computing inertia-gravity waves in a plane tangent to the Earth and showed that they carry a Chern number of value 2 in parameter space.