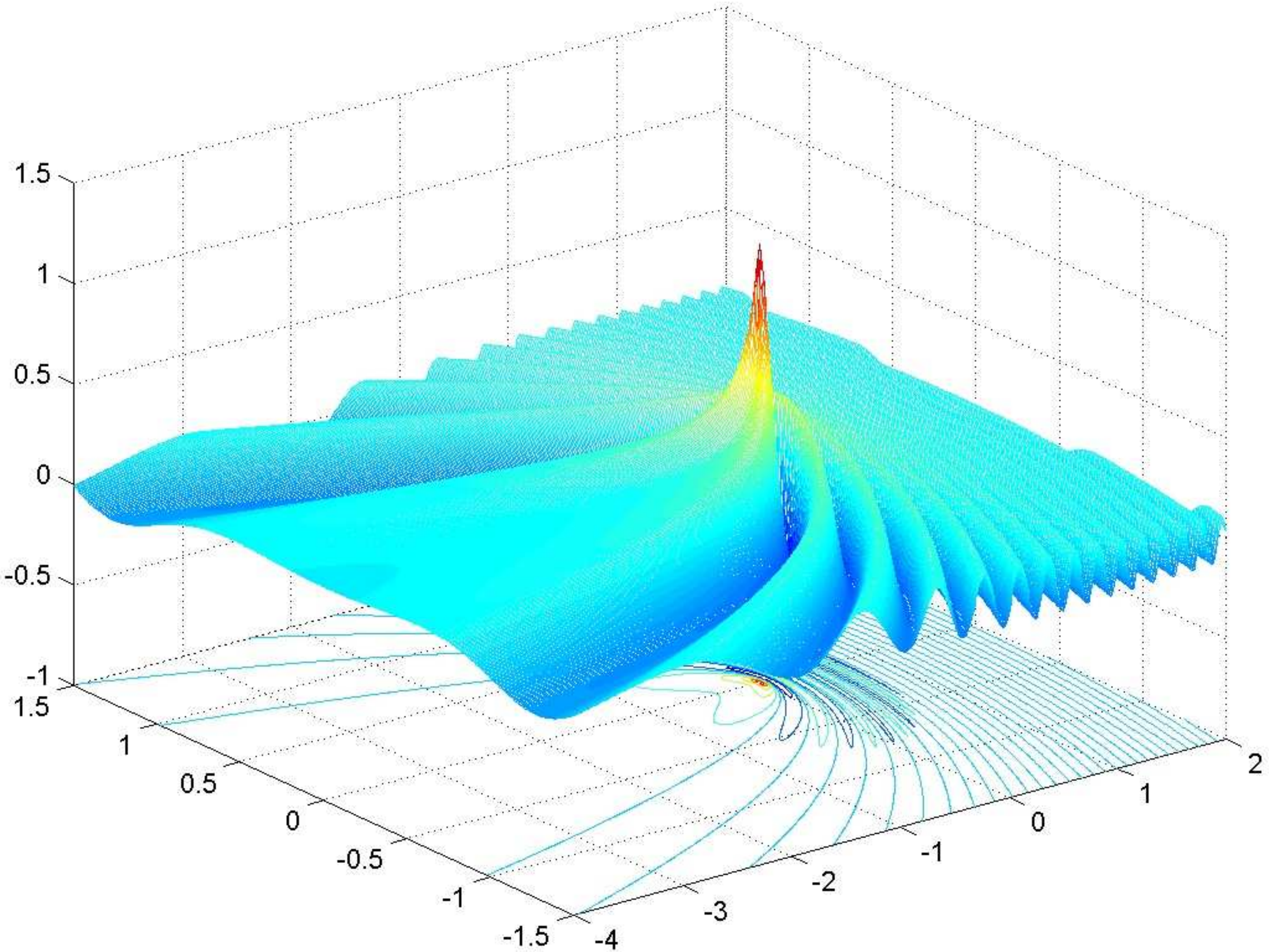Rossby waves generated by an oscillating vorticity source