



Vertical and horizontal virtual velocities for a) an increase of effective basal friction towards toe from 10 to 14 to 18°, b) a decrease of effective basal friction towards toe from 18 to 14 to 10°, c) a very strong decrease from 18 to 2°, for a wedge of 200km long, transitions at 60 and 120km, with a topographic slope $\alpha = 3^\circ$ and a décollement dip $\beta = 6^\circ$, internal friction of 30°. Velocities are normalized by the backwall velocity.