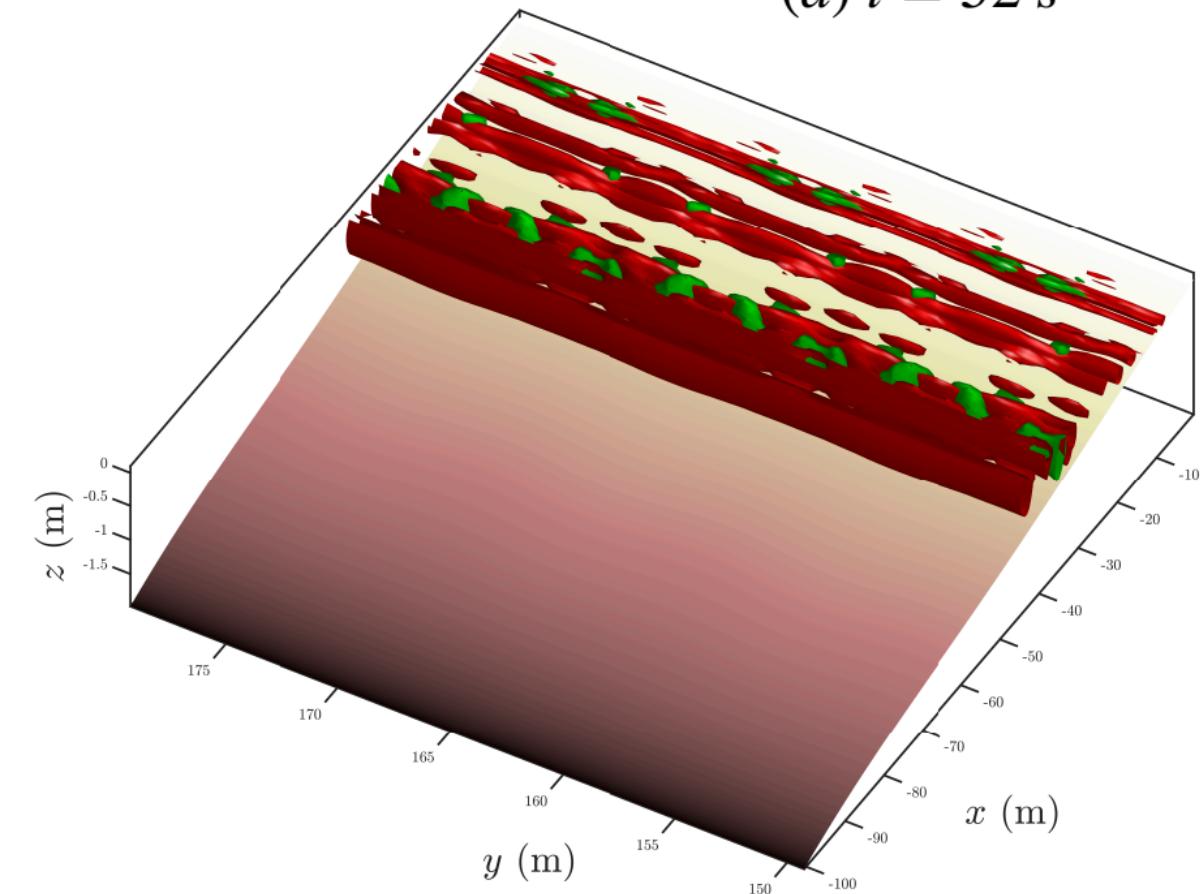


(a) $t = 52\text{ s}$



(b) $t = 1300\text{ s}$

