

No reflected wave, Converging channel will increase u, but friction will decrease it!

Plugging in: $-i\omega U + igk E + RU = 0$ $-i\omega E + iHkU - HU = 0 \Rightarrow E = (iHk - H/L) U$ $-i\omega E + iHkU - HU = 0 \Rightarrow E = (iHk - H/L) U$

=> (-iw+igh(iHh-1H/L)+R) 3/=0

 $\omega^{2} + i\omega R - gHk^{2} - igHk/L = 0 define c^{2} = gH$ $\frac{\omega^{2}}{c^{2}} - k^{2} + i\left(\omega R - k\right) = 0 (*)$

that a special simple case is when k has no complex part, meaning the amplitude of mand a are constant along the channel. If and is just below the critical stress for dedimend erosion, the channel marphology will not change, a state called "morphological equilibrium".

$$\alpha \quad L = \frac{C^2 k}{R \omega} = \frac{C}{R} \quad (fa \quad \psi = C)$$

for this particular foliation has its channel length set by H + U

(as they affect C= TgH and R= Ca21/H)