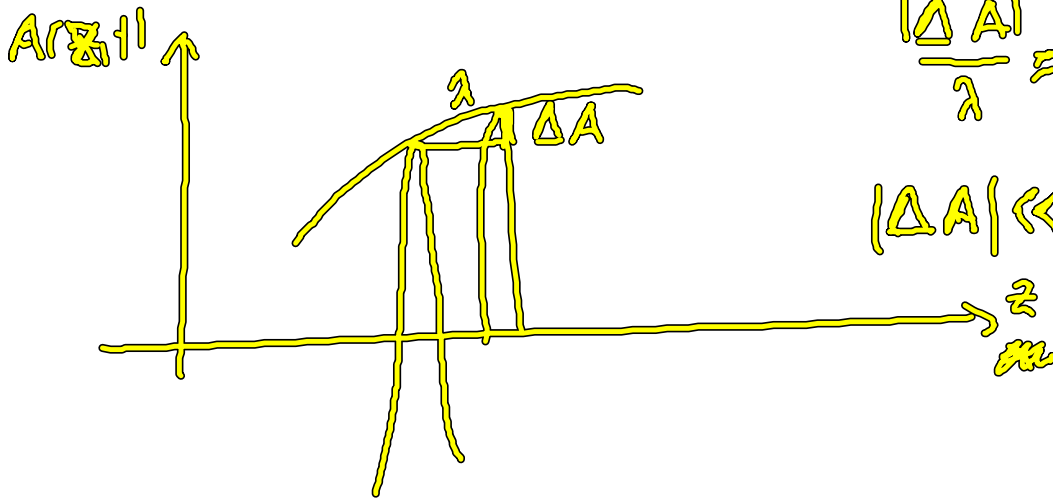
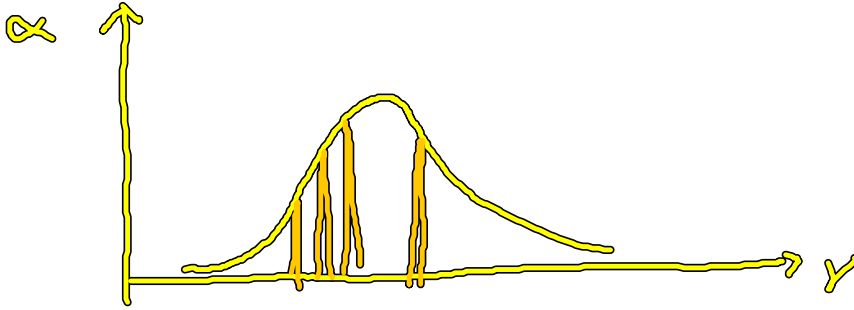


4.3 Solitonen



$$\frac{|\Delta A|}{\lambda} \approx \left| \frac{\partial A}{\partial z} \right|$$

$$|\Delta A| \ll |A| = \lambda \left| \frac{\partial A}{\partial z} \right| = \frac{2\pi}{k} \left| \frac{\partial A}{\partial z} \right|$$

Dgl: $A'' + i2kA' + i2kk'\dot{A} - (k'' + kk'')\ddot{A} = -\frac{\epsilon_2 \omega^2}{c^2} \alpha |A|^2 A$