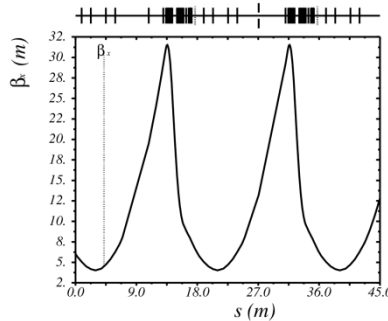


Work

Motivation:

$$\sigma(s) = \sqrt{\frac{\varepsilon_n}{\beta_{rel}\gamma}} \beta(s)$$

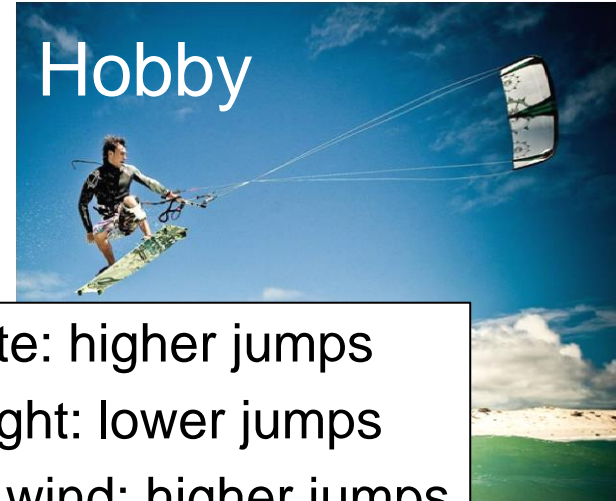
- Higher ε_n larger beam
- Acceleration: smaller beam
- Larger β : larger beam
- β beating: difference of actual and nominal β
- Beam size too big => losses!!!



Task:

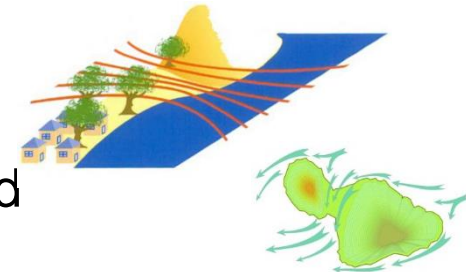
- Estimate expected β beating
- Develop strategies for mitigation

Hobby



- Bigger kite: higher jumps
- Gain weight: lower jumps
- Stronger wind: higher jumps

- Gust: sudden, brief increase in speed of wind



- Too high uncontrolled jumps: danger!!!

