# Tsunami

## Energy of tsunami 1

# Excess energy

Let d be the depth of the ocean. The mass of water is  $\frac{1}{2}\rho LWH$ . This mass is lifted a distance d. Hence the energy is  $\frac{1}{2}mg\rho LWH$ 

#### Comparison of energy 1.2

## Speed of tsunami $\mathbf{2}$