

## CB22. ENGINEERING SEISMOLOGY

Using the list of severe earthquakes in Greece and adjacent areas, calculate the average rupture area  $RA$  and fault slip  $\delta$  for each event.

- $G = 3 \times 10^{10} \text{ Nm}^{-2}$
- $M_w = 4.07 + 0.98 \cdot \log(RA)$
- $M_w = 2/3 \cdot \log M_0 - 6$
- $M_0 = G \cdot RA \cdot \delta$