

Units of Gravity

- $1 \text{ Gal} = \text{cm/s}^2 = 10^{-2} \text{ m/s}^2$
- milligals (mgal) is the most common unit:
 - $1 \text{ mgal} = 10^{-3} \text{ Gal}$
 - $1 \text{ mgal} = 10^{-5} \text{ m/s}^2$
- $1 \text{ microGal} = 10^{-6} \text{ Gal} = 10^{-8} \text{ m/s}^2$
- gravity units are used in some literature $1 \text{ mgal} = 10 \text{ gu}$

The average gravity on Earth's surface is about 9.8 m/s^2 or about 980,000 mgal. In my lab, in the basement of CHCB, the gravity on the concrete pier is 980,432.210 mgal.