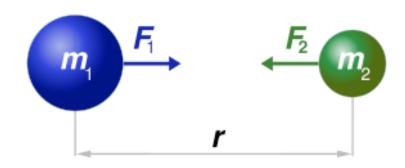
Laboratorio Geofísica de Exploración 2018-2 Laboratorio 1

Profesor: Daniel Rojas

Correo: d.rojas52@uniandes.edu.co

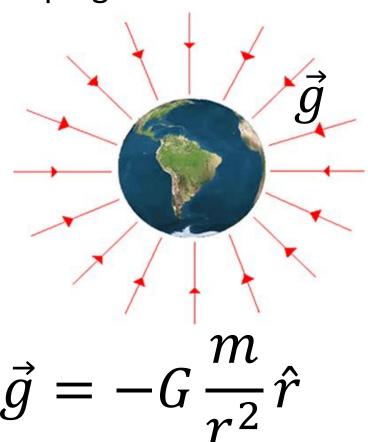
Gravimetría

Ley de gravitación universal

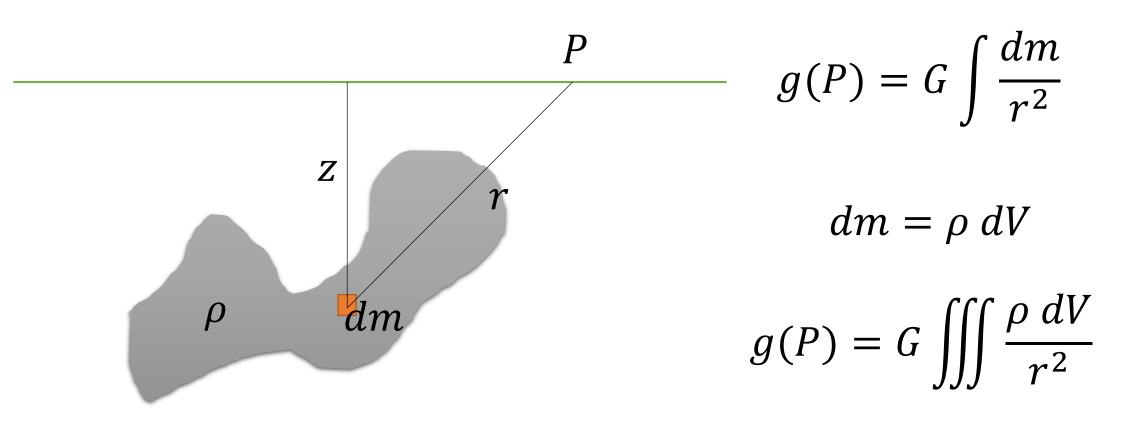


$$F = G \frac{m_1 m_2}{r^2}$$

Campo gravitacional

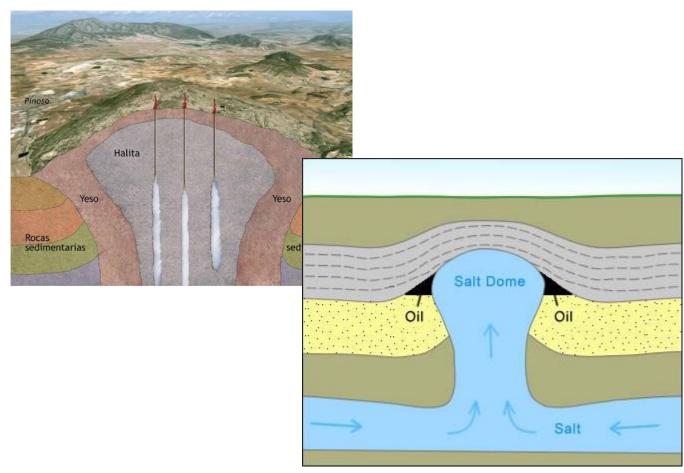


Problema directo

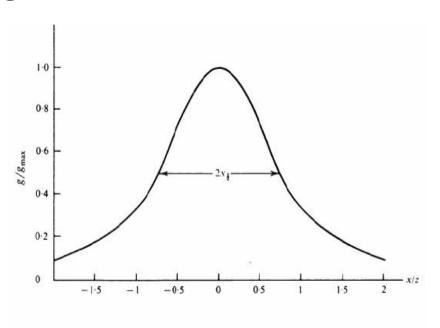


Anomalías

Diapiros - Esferas



http://geology.com/stories/13/salt-domes/



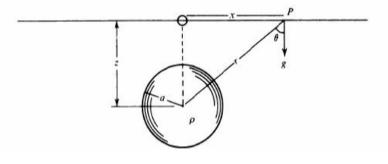
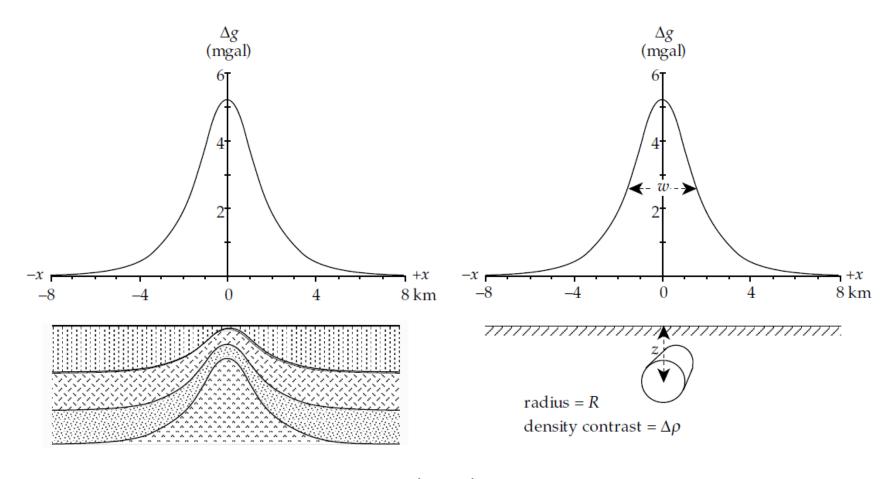


Figure 2.23. Gravity effect of a sphere.

Telford, W.M. (1990)

Anomalías

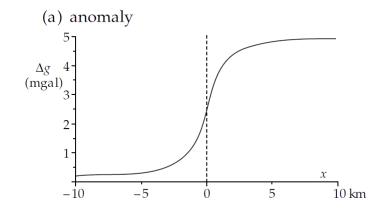
Anticlinales y sinclinales - Cilindros

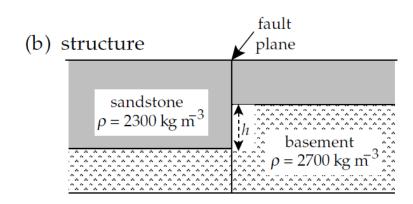


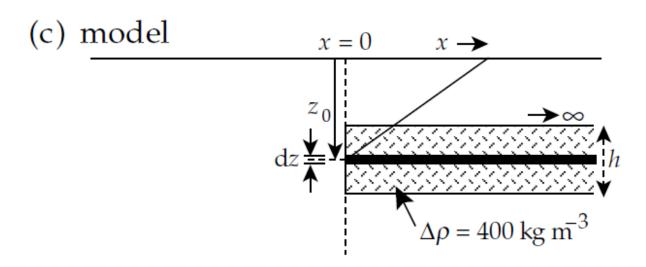
Lowrie, W. (2007)

Anomalías

Falla vertical - Losa horizontal semi-infinita







Lowrie, W. (2007)

Referencias

- Lowrie, W. (2007). Fundamentals of Geophysics. Cambridge University Press.
- Telford, W. M., Geldart, L.P. y Sheriff, R.E, Keys, D.A. (1990). Applied Geophysics. Cambridge University Press.