

17. For the measurements carried out, the largest ratio of the magnetic field to the temperature is $(0.50 \text{ T})/(10 \text{ K}) = 0.050 \text{ T/K}$. Look at Fig. 32-9 to see if this is in the region where the magnetization is a linear function of the ratio. It is quite close to the origin, so we conclude that the magnetization obeys Curie's law.