Locating WISE 0855-0719 on StarForce map

David A. Wheeler

\[ \text{dec} = 7^\circ 24' 51.39'' \]

\[ \text{because that is } \left( \frac{14}{7} + \frac{42.5}{60} + \frac{3}{3600} \right) \]

\[ \sin(\text{dec}) = \frac{\text{opp}}{\text{hyp}} = \frac{\text{depth}}{7.43} \]

\[ \text{depth} = 7.43 \sin(\text{dec}) \]

\[ = 0.93 \text{ ly} \]

\[ \text{Goes below, so really} \]

\[ -0.93 \text{ ly}, \]

\[ \text{Round to} \]

\[ -1 \text{ ly depth} \]

Double check: \[ a^2 + b^2 = c^2 \], so it should mean

\[ (0.93)^2 + (7.37)^2 = (7.43)^2 \]

Is it true? Yes!

-David A. Wheeler