



2014

$$m \pm \Delta m = 16.7 \pm 0.6 \frac{\text{cm}}{\text{s}}$$

$$m = 16.7 \frac{\text{cm}}{\text{s}}$$

$$\Delta m = \frac{m_{\text{max}} - m_{\text{min}}}{2} = \frac{17.0 - 15.8}{2} = 0.6 \frac{\text{cm}}{\text{s}}$$

$$m_{\text{min}} = \frac{y_2 - y_1}{x_2 - x_1} = \frac{100 - 20}{6.26 - 1.20} = 15.8 \frac{\text{cm}}{\text{s}}$$

$$m_{\text{max}} = \frac{y_2 - y_1}{x_2 - x_1} = \frac{100 - 20}{6.06 - 1.36} = 17.0 \frac{\text{cm}}{\text{s}}$$

$$\frac{0.6}{16.7} * 100 = 3\%$$