Eccentricity of an ellipse

An ellipse which is not a circle has eccentricity $0 < e < 1$. (A circle has eccentricity 0.) The ellipse with equation

$$\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1,$$

where $a > b$, has eccentricity e given by

$$b^2 = a^2(1 - e^2).$$

Last updated 04-Nov-15