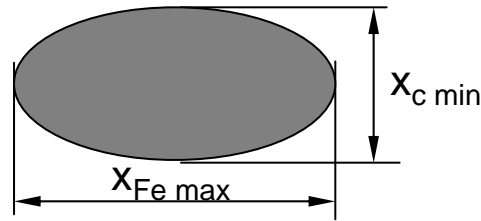


Particle Shape

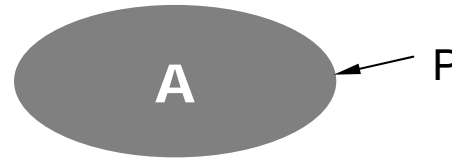
- width/length = aspect ratio

$$\frac{X_{c \text{ min}}}{X_{Fe \text{ max}}}$$



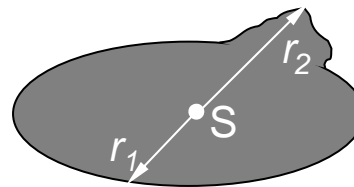
- Roundness

$$\frac{4\pi A}{P^2}$$



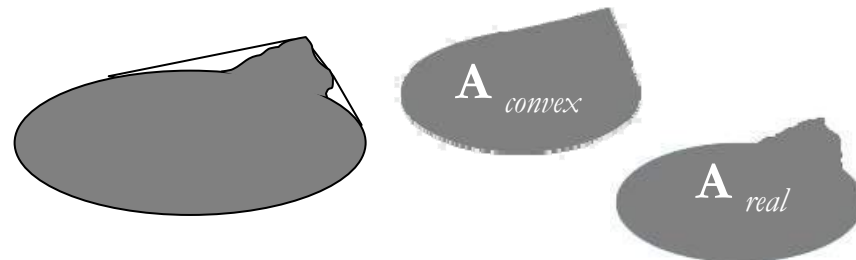
- Symmetry

$$\frac{1}{2} \left(1 + \min \left(\frac{r_1}{r_2} \right) \right)$$



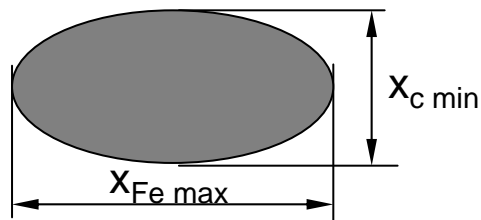
- Convexity

$$\sqrt{\frac{A_{real}}{A_{convex}}}$$



Particle Shape

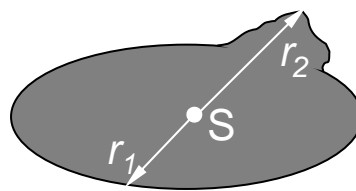
- Breadth-/Length-ratio



- Roundness



- Symmetry



- Convexity

