

Here is a plot of the curve  $x \mapsto \frac{x^2 \sin |x|}{5}$ .

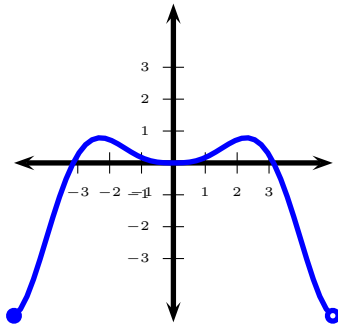


Figure 1:  $x \mapsto \frac{x^2 \sin |x|}{5}$