

## ELEPHANT FUNCTIONS

$y = -5x^5 + 3x^4 + 2x^3 + x^2$	$\{-.87 < x < .7\}$	head
$y = .215$	$\{-.99 < x < -.87\}$	trunk
$y = -\sqrt{.2^2 - (x-.5)^2} - .39$		ear
$y = -3(x+.5)^3 + (x+.5)^2 - .39$	$\{-.99 < x < 0\}$	head
$y = (x-.2)^2 - .55$	$\{0 < x < .35\}$	head
$y = .2 \ln(-x+2.5) - .25$	$\{.65 < x < 2.49\}$	back
$x = .2$	$\{-1.5 < y < -.55\}$	front leg
$y = -1.5$	$\{.2 < x < .6\}$	front foot
$y = \sqrt{.47^2 - .6(x-1.2)^2} - 1.5$		belly
$y = .2 \ln(-x+2.5) - .4$	$\{2.2 < x < 2.48\}$	tail
$y = -1.5$	$\{1.81 < x < 2.25\}$	back foot
$x = 2.25$	$\{-1.5 < y < -.7\}$	back leg
$y = -50(x-2.48)^2 - 1.15$	$\{2.43 < x < 2.53\}$	tail
$y = -100(x-2.48)^2 - 1.15$	$\{2.45 < x < 2.51\}$	tail
$y = -1000(x-2.48)^2 - 1.15$	$\{2.47 < x < 2.49\}$	tail