

Head & Body

$2.5(x)^2 + (y+15)^2 = 100 \{y < -6.259\}$

$1.3(x)^2 + 1.2(y)^2 = 7.7^2$

$10(x)^2 + (y+12)^2 = 100 \{y < -6.472\}$

Arms

$a_1 = -\frac{5}{9.553}x - 12.85 \{-5.447 > x > -13.429\}$

$a_2 = -\frac{5}{9.553}x - 14.85 \{-5.975 > x > -14.25\}$

$a_3 = \frac{5}{9.553}x - 12.85 \{5.447 < x < 13.429\}$

$a_4 = \frac{5}{9.553}x - 14.85 \{5.975 < x < 14.25\}$

Legs

$y = 7.513x \{-23.671 > y > -36.962\}$

$y = 7.513x - 12 \{-24.64 > y > -37.612\}$

$y = -7.513x \{-23.671 > y > -36.962\}$

$y = -7.513x - 12 \{-24.64 > y > -37.612\}$

Hands and Feet

$(x+15)^2 + (y+6)^2 = 2.5$

$(x-15)^2 + (y+6)^2 = 2.5$

$(x+5.7)^2 + 5(y+38)^2 = 6$

$(x-5.7)^2 + 5(y+38)^2 = 6$

Eyes

$5(x+3)^2 + (y-3)^2 = 2$

$5(x-3)^2 + (y-3)^2 = 2$

$\frac{3}{4}(x-3)^2 + (y-3)^2 = 2$

$\frac{3}{4}(x+3)^2 + (y-3)^2 = 2$

Ears

$l_1 = -0.585x + 3.32 \{-3.97 > x > -8\}$

$l_2 = -3.69074x - 21.5259 \{-6.422 > x > -8\}$

$r_1 = 0.585x + 3.32 \{8 > x > 3.97\}$

$r_2 = 3.69074x - 21.5259 \{8 > x > 6.422\}$

$l_1 = -3.69074x - 19.87615922 \{-7.326 < x < -6.164\}$

$l_2 = -0.585x + 2.875 \{-7.326 < x < -4.32\}$

$l_3 = 0.585x + 2.875 \{7.326 > x > 4.32\}$

$l_4 = 3.69074x - 19.87615922 \{7.326 > x > 6.164\}$

Mouth

$m_1 = x^2 + 3.2x - 1 \{-2.4 < x < 0\}$

$m_2 = x^2 - 3.2x - 1 \{0 < x < 2.4\}$

$w_1 = -0.2x - 1 \{-3 < x < 3\}$

$w_2 = -1 \{-3.6 < x < 3.6\}$

$w_3 = 0.2x - 1 \{-3 < x < 3\}$

Nose

$n_1 = 1 \{-1.5 < x < 1.5\}$

$n_2 = \frac{4}{3}x - 1 \{-1.5 < x < 0\}$

$n_3 = \frac{4}{3}x - 1 \{0 < x < 1.5\}$

Tail

$f(x) = \sin x - 20.6$

$A_{ngb} = 100$

$y = s(x,y)$

$g(x,y) = \frac{f(x \cos(A_{ngb})) - y \sin(A_{ngb})}{\cos(A_{ngb})} - x \sin(A_{ngb})$

$y = g(x,y) \{5.665 < x < 25\}$

$s(x,y) = g(x,y \{y = 0\})$

