



$$x = \left(t^* \cos(0.523613) - e^{0.030000|t|} \cdot \sin(0.3t) \sin(\theta) + 55.0007 \right)$$

$$y = \left(42 + t^* \sin(0.523613) + e^{0.030000|t|} \cdot \sin(0.3t) \cos(\theta) \right)$$

$$t = 6$$