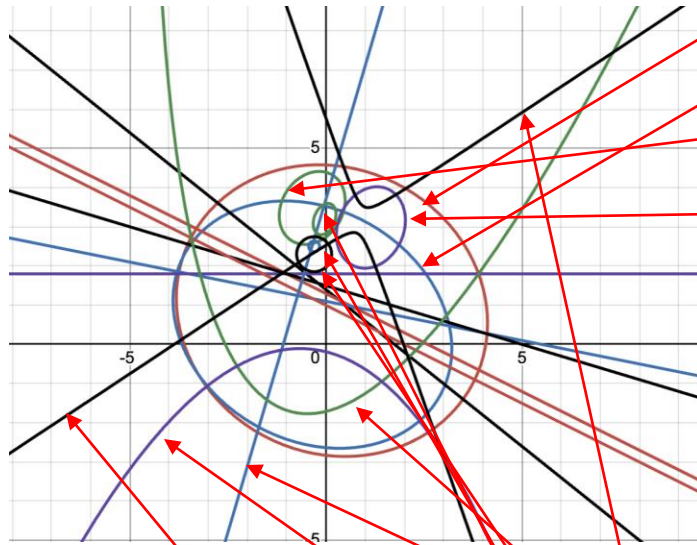
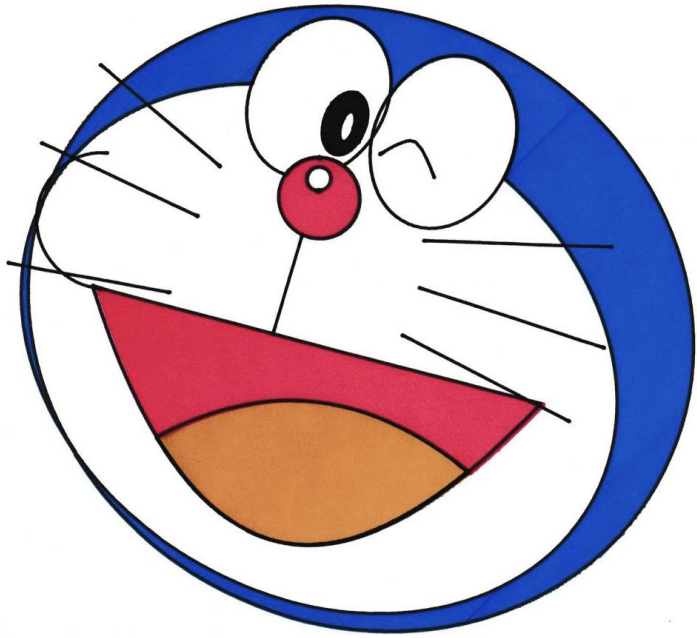


DESMOSで描いてみた



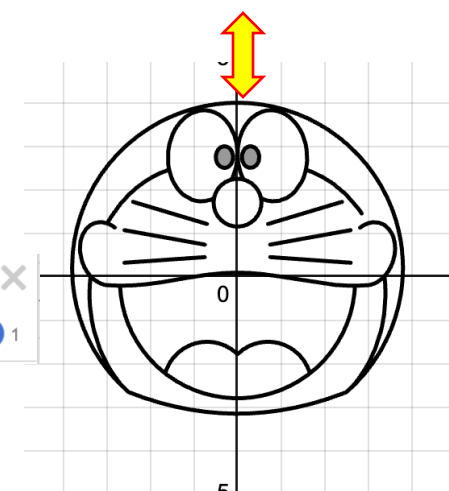
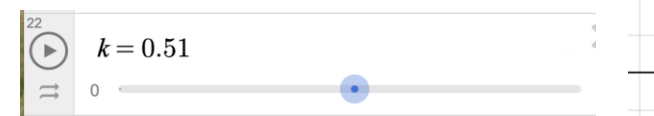
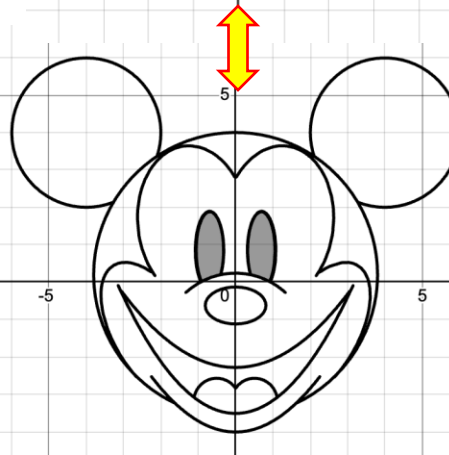
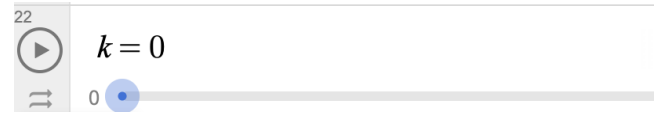
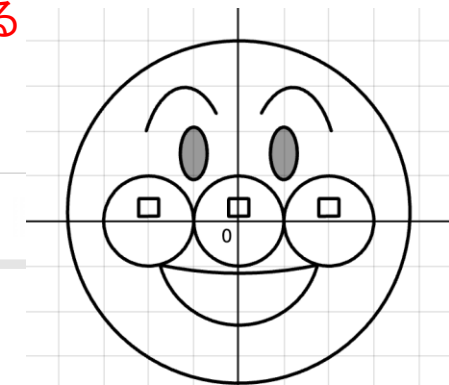
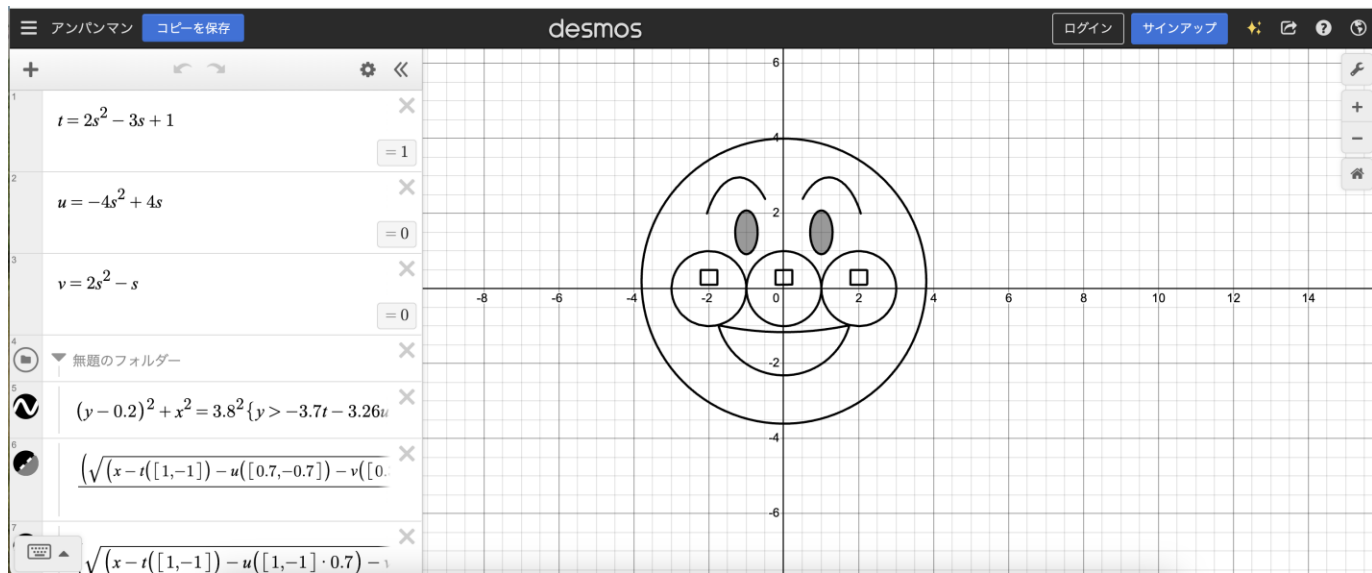
- 1 $221.5x^2 + 40.2xy + 252y^2 - 102.8x - 440.4y = 3265.4$
- 2 $159.3x^2 + 70.5xy + 202.3y^2 + 74.1x - 179.8y = 1878.1$
- 3 $14.6x^2 - 5.6xy + 11.9y^2 + 29.7x - 84.8y = -142.9$
- 4 $17x^2 - 5.1xy + 12.2y^2 - 23.8x - 66.9y = -100.6$
- 5 $y = -0.8x + 1.4$
- 6 $y = -0.5x + 1.3$
- 7 $y = -0.2x + 1.1$
- 8 $y = 1.8$
- 9 $y = -0.3x + 1.5$
- 10 $y = -0.5x + 1$
- 11 $y = 3.4x + 3.7$
- 12 $30.5x^2 - 13.8xy + 1.6y^2 + 4x - 108.8y = 190.9$
- 13 $52.9x^2 - 7.6xy + 0.3y^2 + 69.5x + 286.2y = -53.5$
- 14 $(x + 0.3)^2 + (y - 2.3)^2 = 0.2$
- 15 $(x + 0.3)^2 + (y - 2.5)^2 = 0.02$
- 16 $2.27x^2 - 1.01xy + 1.21y^2 + 3.38x - 7.77y = -12.3$
- 17 $x^2 - 0.5xy + 0.3y^2 + 1.5x - 1.7y = -2.7$
- 18 $1.9x^2 - 2.2xy - y^2 + 3.6x + 8.3y = 14.6$

ヒゲ

ヒゲ

① <https://www.desmos.com/calculator/ssntlymwp5?lang=ja> にアクセス

② k の値を変えると絵が変形する



l_1	l_2	l_3	l_4
0.3	0.7	2.4	1
0.18	0.75	2.6	1
0.07	0.75	2.6	-1

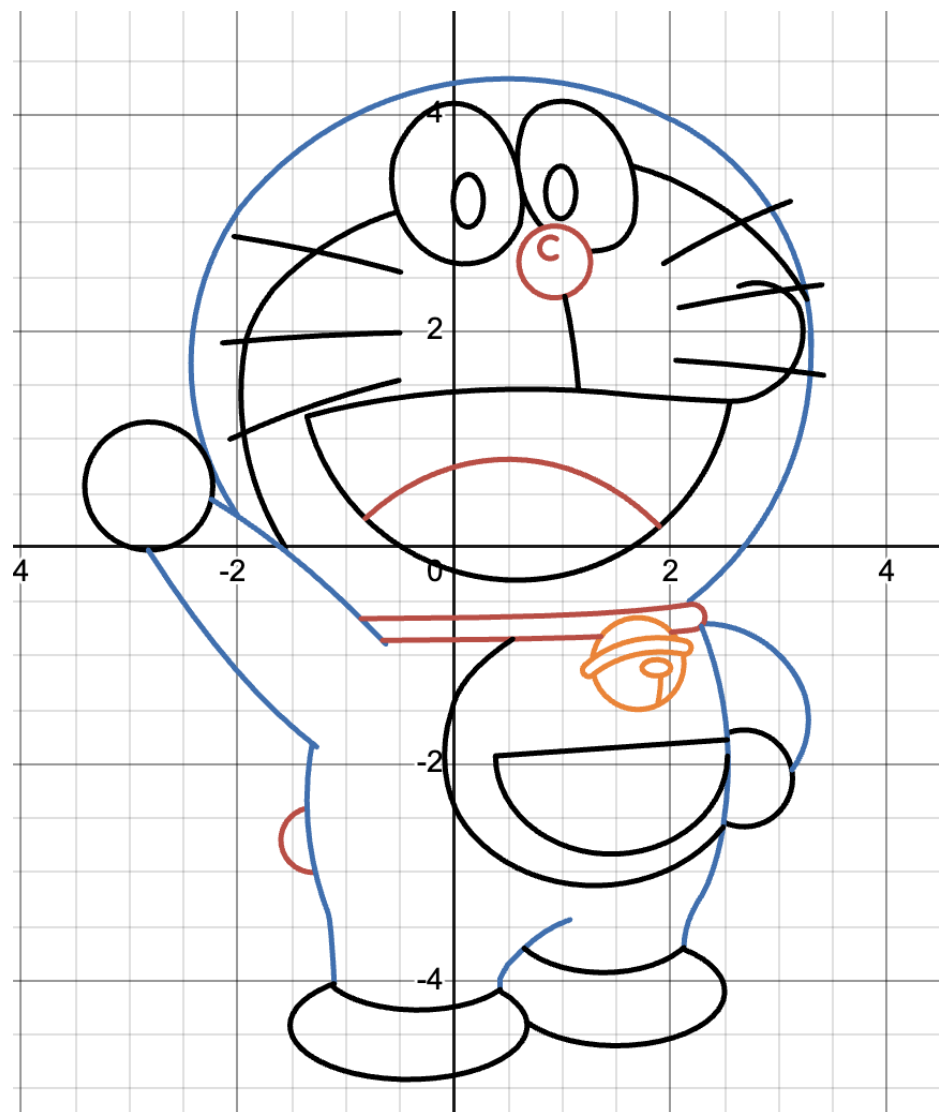
$\{y > -3.27\} \{[1, -1]x > 0\} \{(y + 0.3)^2 + x^2 = 3.8^2\}$

$1.3(y - 0.3)^2 + \text{abs}((x - [0, 2, -2])^2 - 0.07)$

$s = -2k^3 + 3k^2$

$k = 0$

出典: <https://www.desmos.com/calculator/ifelzvtkl4?lang=ja>



① <https://www.wolframalpha.com/>にアクセス

② doraemon curve と入力

実行結果

ドラエモン

doraemon curve

自然言語 数学入力

拡張キーボード 例を見る

入力解釈

ドラエモンのような曲線 (人気のある線画)

プロット



(tが0から88πまでのときのプロット)

関連する架空のキャラクター

Doraemon

式

パラメトリック方程式

$$x(t) = \left(\left(-\frac{10}{69} \sin\left(\frac{45}{29} - 12t\right) - \frac{7}{10} \sin\left(\frac{47}{30} - 10t\right) - \frac{7}{31} \sin\left(\frac{25}{16} - 8t\right) - \frac{16}{27} \sin\left(\frac{47}{30} - 6t\right) - \frac{6}{5} \sin\left(\frac{102}{65} - 5t\right) - \frac{67}{26} \sin\left(\frac{91}{58} - 4t\right) - \frac{166}{15} \sin\left(\frac{91}{58} - 2t\right) + \frac{29}{17} \sin\left(t + \frac{41}{26}\right) \right)$$