

$$\frac{1}{y} = e^{\left(\frac{x}{a+bx}\right)}$$

$$-\ln(y) = \frac{x}{a+bx}$$

$$a+bx = \frac{-x}{\ln(y)}$$

$$-\frac{a}{x} - b = \frac{1}{\ln(y)}$$

$$\frac{a}{x} + b = \left(\frac{-1}{\ln(y)}\right)$$

$$r = 4.3 + b$$

$$a = \frac{-1}{\ln(y)}$$

$$b = \frac{1}{x}$$

$$-\frac{1}{\ln(y)} = \frac{a}{x} + b$$

$$A = \begin{pmatrix} 2 & 2 \\ 3 & 4 \end{pmatrix}$$

$$b = (3, 4)$$

$$\begin{bmatrix} \frac{1}{x} & 1 \\ \frac{1}{y} & 1 \end{bmatrix} \begin{bmatrix} a \\ b \end{bmatrix} = \begin{bmatrix} \frac{-1}{\ln(y)} \\ \frac{-1}{\ln(x)} \end{bmatrix}$$

$$a = -4.37$$

$$b = 0.721$$

$$\ln(y) = a x e^x + b x$$

$$\frac{\ln y}{x} = a e^x + b$$

$$r = \frac{\ln(y)}{x}$$

$$y = e^x$$

$$\begin{bmatrix} \frac{\ln(2)}{2} \\ \frac{\ln(3)}{4} \end{bmatrix} = \begin{bmatrix} e^2 & 1 \\ e^3 & 1 \end{bmatrix} \begin{bmatrix} a \\ b \end{bmatrix}$$

$$a = -0.005665$$

$$b = 0.38842$$

$$y - x - b = 4(ax)^{1/2}$$

$$y - x = 4\sqrt{ax} + b$$

$$\begin{bmatrix} 4\sqrt{2} & 1 \\ 4\sqrt{3} & 1 \end{bmatrix} \begin{bmatrix} a \\ b \end{bmatrix} = \begin{bmatrix} 0 \\ 1 \end{bmatrix}$$

$$r = y - x$$

$$y - x = 4\sqrt{x} \sqrt{a} + b$$

$$S = 4\sqrt{x}$$

$$A = \sqrt{a}$$

$$\sqrt{a} = 0.178$$

$$a = \sqrt{a}^2 = 0.03186212$$

$$b = -4.449$$