

$$m = \frac{\Delta y}{\Delta x} = -F \quad y = ax + b \rightarrow y = -Fx + b$$

$$F = -F(F) + b = b = 11 \quad y = -Fx + 11$$

$$m = \frac{y}{x} = -F \quad y = ax + b = y = -F'x + b \Rightarrow F = -F'(F) + b \Rightarrow b = 11$$

$$mx - \frac{1}{F} = -1 \Rightarrow x = F - \frac{1}{F}$$

$$y = ax + b = y = F'x + b \quad y = F'x - 1$$

$$F = F'(F) + b \Rightarrow b = -1$$

$$y = ax + b \Rightarrow y = \sqrt{F}x + b \Rightarrow F = F\sqrt{F} + b$$

$$b = -F = -F/\sqrt{F} \quad y = ax + b \Rightarrow$$

$$y = -F'x + b \Rightarrow F = -F'(F) + b \Rightarrow b = 11$$

$$L = \frac{|ax + by + c|}{\sqrt{a^2 + b^2}} \Rightarrow AB = \sqrt{\Delta x^2 + \Delta y^2} \Rightarrow$$

$$\frac{|F'(F) + F(F) - F|}{\sqrt{F'^2 + F^2}} \quad \frac{1}{\omega} = F$$

$$\sqrt{(F+1)^2 + (F-F)^2} = \sqrt{F^2} = F$$

$$\begin{cases} Fx + Fy - 11 = 0 \\ Fx + Fy - 9 = 0 \end{cases} \Rightarrow \begin{cases} Fx + Fy - 11 = 0 \\ Fx + Fy - 12 = 0 \end{cases}$$

$$ax + by + \frac{c+c'}{p} \Rightarrow Fx + Fy + \frac{-12-11}{F} = 0 \quad Fx + Fy - 11 = 0$$

$$d = \frac{|c-c'|}{\sqrt{a^2 + b^2}} = \frac{|12-11|}{\sqrt{F^2 + F^2}} = \frac{1}{F\sqrt{2}} = \frac{1}{F} \Rightarrow \frac{1}{F} = \frac{1}{F} \Rightarrow \frac{1}{F} = \frac{1}{F}$$

$$\frac{|ax + by - c|}{\sqrt{a^2 + b^2}} = \frac{|a'x + b'y - c'|}{\sqrt{a'^2 + b'^2}} \Rightarrow \frac{|Fx - Fy - 1|}{\sqrt{F^2 + (-F)^2}} = \frac{|Fx + Fy - 11|}{\sqrt{F^2 + F^2}}$$

$$|Fx - Fy - 1| = |Fx + Fy - 11| \Rightarrow Fx - Fy - 1 = Fx + Fy - 11 \Rightarrow x - y = -2 \quad \boxed{x - y = -2}$$

$$Fx - Fy - 1 = -Fx - Fy + 11 \Rightarrow 2x = 12 \Rightarrow x = 6 \quad \boxed{x = 6}$$

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بنجمانی

خرداد ۱۳۹۳/۳/۲۹
19 Jun 2014
Thursday
۱۴۳۵ شعبان ۲۱

$$y + 1^2 - 1^2 = 0 \quad y - 1^2 - 1^2 = 0$$

$$m = -\frac{1^2}{1} = -1$$

$$m_2 = \frac{1^2}{1}$$

$$\tan \alpha = 1$$

$$\tan \alpha = \left| \frac{m - m_2}{1 + mm_2} \right| = \left| \frac{-1 - 1}{1 - 1} \right| = \left| \frac{-2}{0} \right| = 1$$

$$\alpha = \frac{x}{z} = 45^\circ$$

$$m \left| \frac{x_A + mB}{y_A + yB} \right| \Rightarrow \left| \frac{1^2 - 1}{-1 - 1} \right| = \left| \frac{-2}{-2} \right| = 1$$

$$AB = \sqrt{(1^2 + 1)^2 + (-1 - 1)^2} = \sqrt{4 + 4} = \sqrt{8}$$

$$S = \frac{1}{10^2} \begin{vmatrix} -1 & -2 & 3 \\ -1 & 3 & 1 \\ 1 & 1 & 1 \end{vmatrix} =$$

$$G \begin{vmatrix} x_1 + x_2 + x_3 \\ y_1 + y_2 + y_3 \\ 1 + 1 + 1 \end{vmatrix} = G \begin{vmatrix} 1^2 - 2 - 1 \\ 3 - 1 - 1 \\ 1 + 1 + 1 \end{vmatrix}$$

$$\frac{1}{10^2} (-1^2 - 3^2 - 2^2 - (9 - 10 + 2)) = \frac{1}{10^2} (-94) = -94 \quad G = (-1^2 - 3^2)$$

درگشت دکتر علی شریعتی (۱۳۵۶ هـ.ش)

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خرداد ۱۳۹۳
Friday
20 Jun 2014
۱۴۳۵ شعبان ۲۲

$$x = \frac{2y+1}{Fy-1^2} \Rightarrow y = \frac{-x-1}{1-Fx}$$

$$-y = \frac{x+1}{Fx-1^2} \Rightarrow y = \frac{-x-1}{1-Fx}$$

$$1-x = \frac{2y+1}{-Fy-1^2} \Rightarrow y = \frac{x-1}{1-Fx}$$

$$y = \frac{-x+1}{-Fx-1^2} \Rightarrow y = \frac{x-1}{1-Fx}$$

$$\begin{cases} x' = x-1 \\ y' = y+1 \end{cases} \Rightarrow \begin{cases} x = x'+1 \\ y = y'+1 \end{cases} \Rightarrow y'-1 = \frac{x'+1}{1-F(x'+1)} \Rightarrow y' = \frac{x'+1}{1-Fx'-1^2}$$

$$\begin{cases} x' = x-1 \\ y' = y-1 \end{cases} \Rightarrow \begin{cases} x = x'+1 \\ y = y'+1 \end{cases} \Rightarrow y'+1 = \frac{x'+1}{1-F(x'+1)} \Rightarrow y' = \frac{x'+1}{1-Fx'-1^2}$$

$$-x = \frac{(F)(1) - (1)(1)}{(1)(-1) - (F)(1)} = \frac{-1}{-1-F} = \frac{1}{1+F}$$

$$y = \frac{(1)(1) - (1)(1)}{(1)(-1) - (F)(1)} = \frac{0}{-1-F} = 0$$

$$\begin{cases} x+1+y=1 \\ x-y=1 \end{cases} \Rightarrow \begin{cases} x+y=0 \\ x-y=1 \end{cases} \Rightarrow \begin{cases} x+y=0 \\ 2x=1 \end{cases} \Rightarrow \begin{cases} x=\frac{1}{2} \\ y=-\frac{1}{2} \end{cases}$$