ا عداد محمل ا عن الله و المراد الولاد . W6 500 66111 See 116 22 27 27 2 + 21 + 1 = 0 6 21 + 4= 0 JUSUS (4) (5) مولع بدره تر و رسن امر بره میراش ایرار فیلو فردند. ساری از سانی میستی رای زرا کا اعراد محلط برای رحوفود ، ساز برای مراس انه می استانها ارسی ماسی، سرب سا استرانسی، سرات -- با نظر ایراد محلط ولدایم محلط براهی نابه ک - 20/2/ · 20/1/ . bes , i en $Z = \{2\} Z = (2, y), 2, y \in \mathbb{R}$

 $z = (x_1 y_1) = x + iy = x + jy , j = i = I = (0, 1)$ $z = (x_1 y_1) = (x_1 - y_1) = (x_2 y_2)$ $z = (x_1 y_2) = (x_1 - x_2)$ $z = z = (x_1 y_2)$ $z = z = (x_1 y_2)$ $z = z = (x_2 y_2)$ $z = z = z = (x_1 y_2)$ $\begin{cases} 2_{1} = (\lambda_{1})_{1} \\ 2_{1} = (\lambda_{1})_{1} \end{cases} \implies 2_{1} \pm 2_{2} = (2_{1} \pm \lambda_{2})_{1} \pm 2_{2}$ 2,22= (x,22-y,y2) 2,y2+ 1/2/1) y = j.y = (0,1)(0,1) = (-1,0) = -1

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$$Z_{3} = \frac{z_{1}}{z_{2}} = (x_{3}, y_{3}) \implies (x_{1}, y_{1}) = (x_{2}, y_{2})(x_{3}, y_{3})$$

$$\Rightarrow (x_{2}x_{3} - y_{2}y_{3}, x_{2}y_{3} + x_{3}y_{2}) = (x_{1}, y_{1})$$

$$\Rightarrow \begin{cases} x_{1} = x_{2}x_{3} - y_{2}y_{3} \\ y_{1} = x_{2}y_{3} + x_{3}y_{2} \end{cases} \implies x_{3} = \frac{x_{1}x_{2} + y_{1}y_{2}}{x_{2}^{2} + y_{1}^{2}}, y_{3} = \frac{x_{2}y_{1} - y_{2}x_{1}}{x_{2}^{2} + y_{2}^{2}}$$

$$\Rightarrow \begin{cases} x_{1} = x_{2}x_{3} - y_{2}y_{3} \\ y_{1} = x_{2}y_{3} + x_{3}y_{2} \end{cases} \implies x_{3} = \frac{x_{1}x_{2} + y_{1}y_{2}}{x_{2}^{2} + y_{1}^{2}}, y_{3} = \frac{x_{2}y_{1} - y_{2}x_{1}}{x_{2}^{2} + y_{2}^{2}}$$

$$\Rightarrow \begin{cases} x_{1} = x_{2}x_{3} - y_{1}y_{3} \\ y_{1} = x_{2}y_{3} + x_{3}y_{2} \end{cases} \implies x_{3} = \frac{x_{1}x_{2} + y_{1}y_{2}}{x_{2}^{2} + y_{1}^{2}}, y_{3} = \frac{x_{2}y_{1} - y_{2}x_{1}}{x_{2}^{2} + y_{2}^{2}}$$

$$\Rightarrow \begin{cases} x_{1} = x_{2}x_{3} - y_{1}y_{3} \\ y_{1} = x_{2}x_{3} - y_{1}y_{3} \end{cases} \implies \begin{cases} x_{1}x_{2} + y_{1}y_{2} \\ y_{2} = x_{2}y_{3} - y_{2}x_{3} \end{cases} \implies \begin{cases} x_{1}x_{2} + y_{1}y_{2} \\ y_{2} = x_{2}y_{3} - y_{2}x_{3} \end{cases} \implies \begin{cases} x_{1}x_{2} + y_{1}y_{3} \\ y_{2} = x_{2}y_{3} - y_{2}x_{3} \end{cases} \implies \begin{cases} x_{1}x_{2} + y_{1}y_{3} \\ y_{2} = x_{2}y_{3} - y_{2}x_{3} \end{cases} \implies \begin{cases} x_{1}x_{2} + y_{1}y_{3} \\ y_{2} = x_{2}y_{3} - y_{2}x_{3} \end{cases} \implies \begin{cases} x_{1}x_{2} + y_{1}y_{3} \\ y_{2} = x_{2}y_{3} - y_{2}x_{3} \end{cases} \implies \begin{cases} x_{1}x_{2} + y_{1}y_{3} \\ y_{2} = x_{2}y_{3} - y_{2}x_{3} \end{cases} \implies \begin{cases} x_{1}x_{2} + y_{1}y_{3} \\ y_{2} = x_{2}y_{3} - y_{2}x_{3} \end{cases} \implies \begin{cases} x_{1}x_{2} + y_{1}y_{3} \\ y_{2} = x_{2}y_{3} - y_{2}x_{3} \end{cases} \implies \begin{cases} x_{1}x_{2} + y_{1}y_{3} \\ y_{2} = x_{2}y_{3} - y_{2}x_{3} \end{cases} \implies \begin{cases} x_{1}x_{2} + y_{1}y_{3} \\ y_{2} = x_{2}y_{3} - y_{2}x_{3} \end{cases} \implies \begin{cases} x_{1}x_{2} + y_{1}y_{3} \\ y_{2} = x_{2}y_{3} - y_{2}x_{3} \end{cases} \implies \begin{cases} x_{1}x_{2} + y_{2}y_{3} \\ y_{2} = x_{2}y_{3} - y_{2}x_{3} \end{cases} \implies \begin{cases} x_{1}x_{2} + y_{2}y_{3} \\ y_{2} = x_{2}y_{3} - y_{2}y_{3} \end{cases} \implies \begin{cases} x_{1}x_{2} + y_{2}y_{3} \\ y_{2} = x_{2}y_{3} - y_{2}y_{3} \end{Bmatrix} \implies \begin{cases} x_{1}x_{2} + y_{2}y_{3} \\ y_{2} = x_{2}y_{3} - y_{2}y_{3} \end{Bmatrix} \implies \begin{cases} x_{1}x_{2} + y_{2}y_{3} \\ y_{2} = x_{2}y_{3} - y_{2}y_{3} \end{Bmatrix} \implies \begin{cases} x_{1}x_{2} + y_{2}y_{3} \\ y_{2} = x_{2}y_{3} + y_{3}y_{3} \end{Bmatrix} \implies \begin{cases} x_{1}x_{2} + y_{2}y_{3} \\ y_{2} = x_{2}y_{3} + y_{3}y_{3} \end{Bmatrix} \implies \begin{cases} x_{1}x_{2}$$

$$\frac{1}{2} = x + yy \longrightarrow \frac{1}{2} = \frac{1}{x + yy} = \frac{1}{x + yy} \left(\frac{x - yy}{x + yy} \right) = \frac{x - yy}{x^2 + y^2}$$

$$=) \frac{1}{2} = \frac{2^{\frac{1}{2}}}{|2|^2} \quad \text{if } |2| \triangleq \sqrt{x^2 + y^2} \quad \text{distriction}$$

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$$\frac{1}{2} \left[\frac{|z_1|}{|z_2|} - \frac{|z_1|}{|z_2|} \right] = \frac{|z_1|}{|z_2|} = \frac{|z_1|}{|z_1|} = \frac{|z_1|}{|z_2|} = \frac{|z_1|}{|z_2|$$

$$|z|=3=\int x^{2}+y^{2}=3 \implies x^{2}+y^{2}=9 \qquad |x|y|=9 \qquad |x|y|=3 \qquad |x|y|=9 \qquad |x|y|=3 \qquad |x|y|=9 \qquad |x|y$$

$$\frac{z_{1}}{z_{2}} = \frac{r_{1} + a_{1}}{r_{2} + a_{2}} = \frac{r_{1}}{r_{2}} \neq (a_{1} - a_{2})$$

$$\frac{z_{1} \cdot z_{2} \cdot - z_{n}}{r_{2}} = (r_{1} \cdot r_{2}) \neq (a_{1} + a_{2} + a_{2} + a_{3} + a_{4} + a_{4}$$

$$\frac{1}{2} = \frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \frac{1}{2} \right) = \frac{1}{2} = \frac$$

$$\frac{3}{2} = 1 \implies 2 = ?$$

$$\frac{3}{2} = 1 = 1 \neq 0 \implies 2 = 1 \left(\frac{3}{2} + \frac{3}{3} + \frac$$

 $\frac{20}{21} - \frac{2}{2} - \frac{2}{2} = 2$ $\frac{3}{4}$ $\frac{2}{7} - \frac{3}{7} = 0$

 $j_{1}-|z-1|+|z+1|=2\sqrt{2}$ $(z-1)+|z-1|+|z+1|=2\sqrt{2}$ $(z-1)+|z-1|+|z+1|=2\sqrt{2}$ $(z-1)+|z-1|+|z+1|=2\sqrt{2}$ $(z-1)+|z-1|+|z+1|=2\sqrt{2}$

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Ay Zist . Ni syn UN, B, ny sel; 1), ti cu: dis pri-in y = f(z) W = f(z) = u + yf121= u+yre x_0 = x_0 | x_0 flz1= 2-22+1 $f(n_1y) = (n+jy) - 2(2+jy) + 1 = n-y^2 + 2jny - 2x-2jy+1$ $f(210) = (x^2 - y^2 - 2x + 1) + \dot{y}(22y - 2y) \rightarrow (ulny) = x^2 - y^2 = 2x + 1$ 19/n,y) - 2ny - 2y

lef121=W; 48>0, 38<00, 12-20/8=D/f(21-f(2.))<8 too, het light parties land light of a commission of the my willing. (je ju 2/2) jedno - jeloto o - j (in 5), which is to be what is fitted it fit of the constraint of . Ne de jebblé wo, 1 flæl 11 : Dich, vier en

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$$f(2) = 8m \frac{1}{2}$$
 . $J(p + 1)$ $J(p) = 1$ $J(p) =$

· in 200 200 0(2) +0 sobies in in comis $f(t_0) = h \frac{f(t_0 + \Delta t) - f(t_0)}{\Delta t}$ $= h \frac{\int (t_0 + \Delta t) - f(t_0)}{\Delta t}$ $= h \frac{\int (t_0 + \Delta t) - f(t_0)}{\Delta t}$ $= h \frac{\int (t_0 + \Delta t) - f(t_0)}{\Delta t}$ $= h \frac{\int (t_0 + \Delta t) - f(t_0)}{\Delta t}$ $= h \frac{\int (t_0 + \Delta t) - f(t_0)}{\Delta t}$ $= h \frac{\int (t_0 + \Delta t) - f(t_0)}{\Delta t}$ $= h \frac{\int (t_0 + \Delta t) - f(t_0)}{\Delta t}$ $= h \frac{\int (t_0 + \Delta t) - f(t_0)}{\Delta t}$ $= h \frac{\int (t_0 + \Delta t) - f(t_0)}{\Delta t}$ الراقورت عام : $f(z) = h \frac{(z + \Delta z)^2 - z^2}{\Delta z} = h \frac{z^2 + \Delta z^2 + 2z \Delta z - z}{\Delta z} = 2z$ $\Delta z \rightarrow 0$

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$$f(z) = \int_{0}^{\infty} \frac{|z+\Delta z|^{2} - |z|^{2}}{\Delta z} = \int_{0}^{\infty} \frac{(z+\Delta z)(z+\Delta z) - |z|^{2}}{\Delta z} \frac{|z|^{2}}{|z|^{2}} \frac{|z|^{2}}{|z|^{2}} \frac{|z|^{2}}{|z|^{2}} \frac{|z|^{2}}{|z|^{2}} = \int_{0}^{\infty} \frac{|z+\Delta z|^{2} + |z+z|^{2}}{|z|^{2}} \frac{|z|^{2}}{|z|^{2}} \frac{|z$$