

enero 2018.pdf



Exprum



Ampliación de Matemáticas



3º Grado en Ingeniería Aeroespacial



Escuela Técnica Superior de Ingeniería Aeronáutica y del Espacio Universidad Politécnica de Madrid



Descarga la APP de Wuolah. Ya disponible para el móvil y la tablet.







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Ya disponible para el móvil y la tablet.







Ver mis op

Continúa d

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Top de tu gi











01-2018.

$$A = \frac{\partial \mathcal{U}}{\partial t} = \left(1 + \frac{1}{1 + \ell^2}\right) \frac{\partial^2 \mathcal{U}}{\partial x^2} + \mathcal{U} \qquad x \in \mathbb{R}. \qquad \hat{\mathcal{U}}(2, \frac{1}{\sqrt{3}}) \stackrel{?}{\sim} \\ \frac{\partial \hat{\mathcal{U}}}{\partial t} = \left(1 + \frac{1}{1 + \ell^2}\right) (i \mathcal{U})^2 \hat{\mathcal{U}} + \hat{\mathcal{U}}$$

$$\int_{0}^{\infty} dt = \int_{0}^{\infty} \left[1 + \frac{1}{1+t^{2}} (t - \omega^{2}) + \frac{1}{2} dt\right] = (-\omega^{2} + 1)t - \omega^{2} \operatorname{arcdg}(t) + C$$

$$\hat{U} = C e^{-\frac{1}{2}(t + \operatorname{arctg} t) + t}$$
 $C = \hat{U}(t = 0)$

$$\frac{1}{1+x^2} = \int_{-\infty}^{\infty} e^{-i\omega x} dx = \int_{-\infty}^{\infty} \frac{1}{1+x^2} \int_{-\infty}^{\infty} e^{-i\omega x} dx$$

$$\alpha = \pi e^{-\omega^2(t+\alpha rchy \epsilon) + t-|\omega|}$$

$$\frac{\partial^{2}\omega}{\partial t^{2}} + 4 \frac{\partial \omega}{\partial t} + 8\omega = 8(4) \qquad \omega(0) = 0 \qquad \omega'(0) = 1 \qquad C \int_{0}^{\infty} (\omega(1))^{2} dt = 0 \qquad (2.1)$$

$$8^{2}W - 3\omega(0) - \omega'(0) + 48W - 4\omega(0) + 8W = G$$

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$$(s^2 + 4s + 8)W = G + 1 = PW = \frac{G + 1}{s^2 + 4s + 8}$$

$$(e^{2} + 4 + 8) W = G + 1 = W = \frac{e^{2} + 4 + 8}{e^{2} + 4 + 8}$$

$$(e^{4} - e) [H(1) - H(1 - 1)] = (e^{4} - e) H(1 - 1) = (e^{4} - e)$$

$$f(e^{+})(s) = \frac{1}{s-1}$$

$$\Rightarrow G = f(g) = \frac{1}{s-1} - \frac{e}{s} - \left[e^{-\frac{e}{s}} - e^{-\frac{1}{s}}e^{-\frac{1}{s}}\right]$$

$$f(e^{+})(s) = \frac{1}{s-1}$$

$$f(\theta)(e) = \frac{2}{6}$$

$$G(z) = A - \frac{e}{z} - \left[\frac{e^{-2+i}}{4} - \frac{e^{-2+i}}{2}\right] = 1 - \frac{e}{2} - \frac{1}{2e} = \frac{2e - e^2 - 1}{2e}$$

$$W(2) = \frac{\frac{4e - e^{2}1}{2e}}{\frac{2}{4 + 8 + 8}} = \frac{1}{20} \left(2 - \frac{e^{2}1}{2e} \right).$$

$$W(2) = \frac{2e}{4+8+8} = \frac{1}{20} \left(2 - \frac{2e}{2e} \right).$$

$$9(4) = H(4)(e^{4} - e^{4} - \frac{1}{20})(e^{4-1} - \frac{1}{20}) + G(e^{4-1} - \frac{1}{20}) + G(e^{4-1}$$

$$C' = \frac{85_5}{9_5^{(7)}} - (5_5 + i 5_4) m = 0$$

Easonin:
$$\sum_{k=2}^{\infty} K(k-1)Ck^{\frac{1}{2}k-2} - \sum_{k=1}^{\infty} C_k z^{k+2} - \sum_{k=1}^{\infty} C_k z^{k+4} = 0$$

$$\begin{cases} 2^{3}: & 5.4.C_{5} - C_{1} = 0 \rightarrow C_{5} = \frac{C_{1}}{20} = \frac{1}{20} \\ 7^{4}: & 6.5C_{6} - \frac{C_{2}}{20} = 0 \rightarrow C_{6} = 0 \end{cases}$$

"
$$z^5$$
: 7.6 Cq - y^5 -ic, =0 \rightarrow Cq = $\frac{i\cdot 1}{7\cdot 6}$

$$\leq_{u}$$
: $(u+z)(u+t)$

$$\geq^n$$
: $(n+2)(n+1)(n+2) = C_{n-2} + i C_{n-4} \Rightarrow |C_{n+2}| = \frac{C_{n-2} + i C_{n-4}}{(n+2)(n+1)}|$

Si
$$Im(\omega(x)) = 0 \Rightarrow Im(\frac{\partial^{(k)}\omega}{\partial x}(k)) = 0 \forall k$$

Ly apposible parque
$$C_7 = \frac{1}{10} = \frac{1}{$$

$$\int_{0}^{\infty} \frac{d^{2}v}{dz^{2}}(z) = \frac{z}{-1} \frac{dw}{dw} + \frac{z^{2}}{1} \frac{(1+z)^{2}}{16 \text{ son } z} w$$

Lic Li puede ser 3,3

$$o(5) = \frac{(9 - 3)}{(1 + 5)} = 0$$

$$a(5) = \frac{16 \text{ Jeu S}}{(1+5) 5}$$
 $a(6) = \frac{5+0}{(1+5) 5} = \frac{16}{(1+5) 5} = \frac{16}{16} = \frac{16}{16}$

E.
$$z \frac{d^2 w}{dz} = \left(-4 + \frac{x}{x}\right) \frac{dw}{dz}$$
 $c w \text{ presents} \text{ significated enoted } c$

$$c \frac{d^2 w}{dz^2} + \left(+4 + \frac{x}{z^2}\right) \frac{dw}{dz} = 0$$

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