

# junio 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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### Top de tu gi









06 - 2018

$$O(x_10) = \frac{1}{1+x^2}$$

$$A = \frac{\partial u}{\partial x} = (1 + \cos t) \frac{\partial u}{\partial x^2} + 2t \quad u \quad \text{nota} : \mathcal{R}\left[\frac{1}{1+x^2}\right](\omega) = \pi \exp(-|\omega|)$$

$$c \cdot \hat{u}(2, \frac{\pi}{2}).$$

 $\frac{\partial \hat{U}}{\partial t} = (1+\cos t) (i\omega)^2 \hat{u} + 2t \hat{u} = (-\omega^2(1+\cos t) + 2t) \hat{u}$ 

 $\int \frac{\partial \hat{u}}{\partial t} = \ln \hat{u} = \int -\omega^2 (1+\cos t) + 2t \int dt = -\omega^2 t - \omega^2 \sin t + t^2 + C$ 

$$\hat{\omega} = C e^{-\omega^2(t+\infty)} + t^2$$

$$\widehat{\omega}(t=0) = C = \widehat{T} \left[ \frac{1}{1+x^2} \right] = \widehat{\pi} \exp(-1\omega t)$$

$$\hat{u}(z, \frac{\pi}{2}) = \frac{\pi}{4} \exp\left(-4\left(\frac{\pi}{2} + 4\right) + \frac{\pi^{2}}{4} - 2\right) = \frac{\pi \exp\left(-6 - 2\pi + \frac{\pi^{2}}{4}\right)}{4}$$

$$\omega(0)=0$$
 $\omega'(0)=1$ 
 $C[f(\omega)(3)]$ 

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$$g(t) = (1-t) \left[ H(t) - H(t-1) \right] + (t-1) + ($$

$$G(s) = \frac{1}{s} + \frac{2e^{-s} - 1}{s^2}$$

$$G(s) = \frac{1}{s} + \frac{2s}{s^2}$$

$$FCUOCUDA: s^2 W - sw(6) - w(6) + 4sW - 4cu(6) + 8W = G$$

(52+45+8)W = G+1

$$M(2) = \frac{2s+42t}{GRHt}$$

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

$$W(3) = \frac{1}{q_{1/2+8}} \cdot \left(\frac{1}{q} \left(2e^{-3} + 2\right) + 1\right) = \frac{1}{2q} \cdot \frac{1}{q} \left(2e^{-3} + 11\right)$$

$$\frac{\delta^{2}U}{\delta^{2}} = \frac{e^{-2}}{e^{-2}} \text{ and } z \cdot \omega = 0 \qquad \omega(0) = 1 \qquad d^{2}C_{0} + C_{1} + C_{2} + C_{3} + C_{4} = \frac{1}{2}$$

$$\omega = 11 + 2 + \sum_{k=2}^{\infty} C_{k} = \sum_{k=2}^{\infty} C_{k} = \sum_{i=2}^{\infty} C_{i} = \frac{1}{2}.$$

$$\frac{\delta^{2}U}{dz^{2}} = \sum_{k=1}^{\infty} K \cdot (k-1) C_{k} = \sum_{i=2}^{\infty} (-1)^{\frac{N+2}{2}} \frac{2^{N-1}}{(2k-1)!}$$

$$\frac{\partial^{2}U}{\partial z^{2}} = \sum_{k=1}^{\infty} (-1)^{\frac{N+2}{2}} \frac{2^{N-1}}{(2k-1)!} \frac{2^{N-1}$$

