# Формулы Open Office

$$n=1$$

$$E_n = Mh^2 \frac{l^2 a^2}{\pi^2 n^2 c^2 (l-c)^2} \sin^2\left(\frac{\pi n c}{l}\right)$$

$$u(x,t) = Ae^{\pm\sqrt{\frac{\omega}{2a^2}x}} \cos\left(\pm\sqrt{\frac{\omega}{2a^2}}x + \omega t\right)$$

$$|I^2| \le \frac{1}{2\sqrt{\pi}} \int_{x_1}^{x^2} \frac{1}{\sqrt{a^2 t}} e^{\frac{-(x-\xi)^2}{4a^2 t}} |\phi(\xi) - \phi(\xi_0)|$$

$$\text{ccc} \quad 1$$

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u( x,t ) = sum from{n=1} to{ infinity } { (a_n cos( %omega_n t)+b_n sin( %omega_n t)) sin({{%pi n}over{l}} x)} newline newline

E_n = Mh^2 { l^2 a^2 } over { %pi^2 n^2 c^2 (l-c)^2 } sin^2( {%pi n c} over {l} ) newline newline

u( x,t ) = Ae^{ +-sqrt{ {%omega} over {2a^2} x }  } cos( +-sqrt{ {%omega} over {2a^2} x } + %omega t )newline newline

lline I^2 rline <= { 1 } over { 2 sqrt{ %pi} } int from{x_1} to{x^2} {1 over sqrt{a^2 t}} e^{ -{(x-%xi)^2}over{4a^2 t} } lline %phi(%xi)-%phi(%xi_0) rline  newline newline

lim from{%epsilon -> 0}  iiint from{T-K_e} ( -{{1}over{R}} %DELTA u )dr
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