1 Формулы LibreOffice:

$$u(x,t)=\sum_{n=1}^{\infty}\left(a_n\cos(\omega_n t)+b_n\sin(\omega_n t)\right)\sin(\frac{\pi n}{l}x)$$

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

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

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

$$\lim_{\epsilon\to 0}\iiint_{T-K_e}(-\frac{1}{R}\Delta u)dr$$

2. Код LibreOffice:

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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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