$$(1\ \mathrm{kg})\,\frac{d^2x}{dt^2}\ +\ \left(0.3\frac{\mathrm{N}}{\mathrm{m/s}}\right)\frac{dx}{dt}\ +\ \left(24\frac{\mathrm{N}}{\mathrm{m}}\right)x\quad =\quad 0$$