

Hello
MST *students*

I love LaTeX 100 % ¹.

¹based on a 100 percent scale

The mathematical formula from pythagoras states

$$a^2 + b^2 = c^2. \tag{1}$$

In (1)

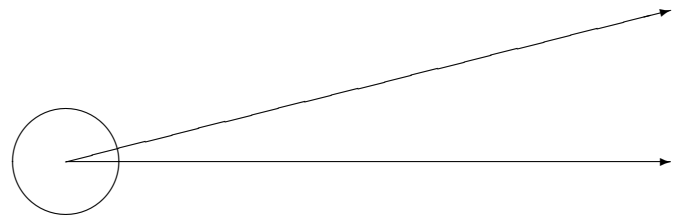
- c = length of the hypotenuse
- a, b = lengths of the other sides

$$\begin{aligned} y_k &= x_k - z_k, \\ &= x_{k+\omega} - z_{k+\omega}. \end{aligned}$$

$$i + j + k + l + m + n$$

$$+ o + p + q + r + s + t$$

Form of the roots	Form of solution y_i	m.g.s. $y(t)$
$r_1, r_2 \in \mathcal{R}, r_1 \neq r_2$	$y_1 = e^{r_1 t}, y_2 = e^{r_2 t}$	$y(t) = c_1 y_1 + c_2 y_2$
$r_1 = r_2 \in \mathcal{R}$	$y_1 = e^{r_1 t}, y_2 = t e^{r_1 t}$	$y(t) = (c_1 + c_2 t) e^{r_1 t}$
$r_{1/2} = \lambda \pm i\mu$	$y_1 = e^{\lambda t} \cos(\mu t), y_2 = e^{\lambda t} \sin \mu t$	$y_t = e^{\lambda t} (c_1 \cos(\mu t) + c_2 \sin(\mu t))$



$$i + j + k + l + m + n$$

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