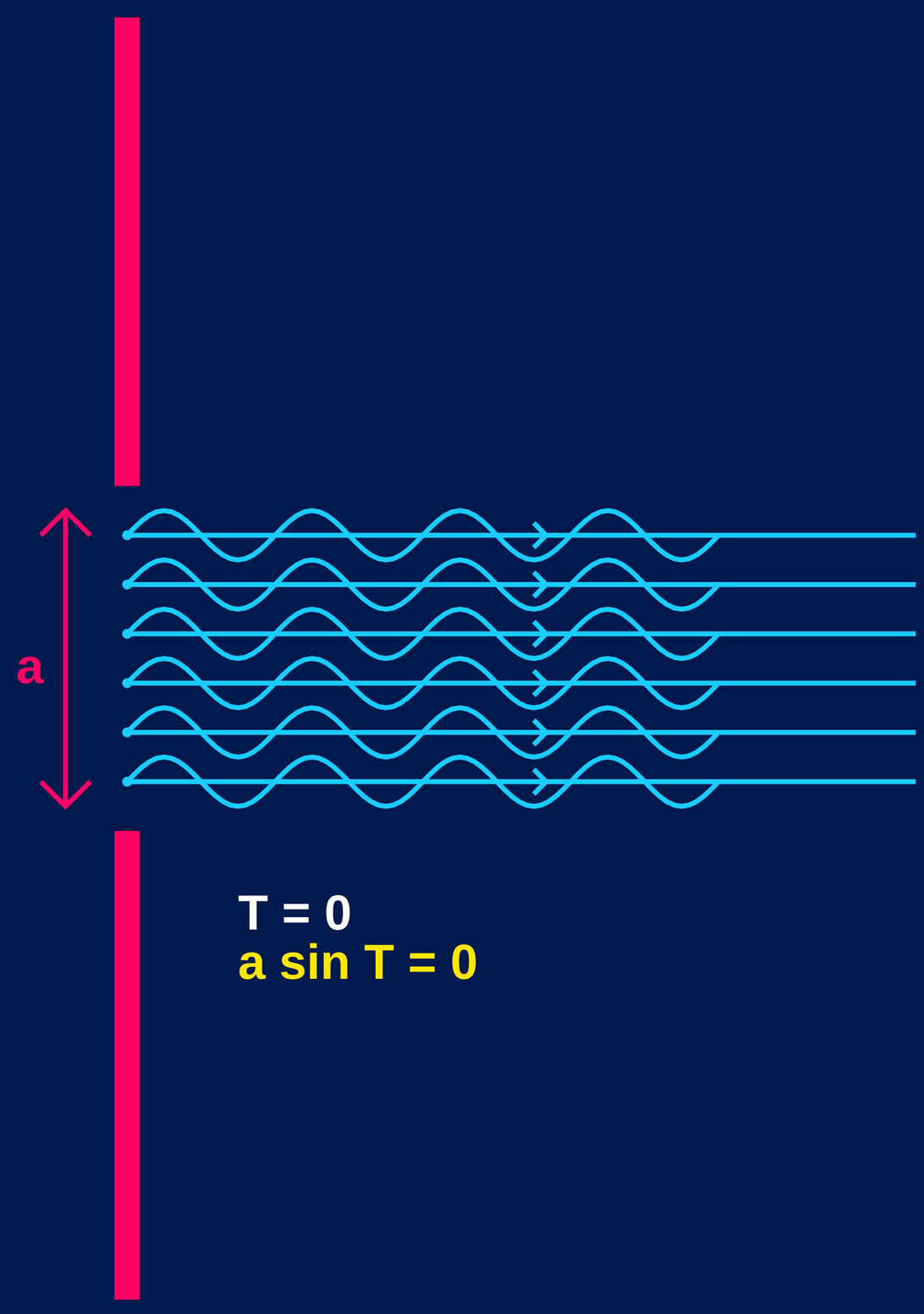

$T = 0$

$a \sin T = 0$