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1. SOME RANDOM FUNCTION

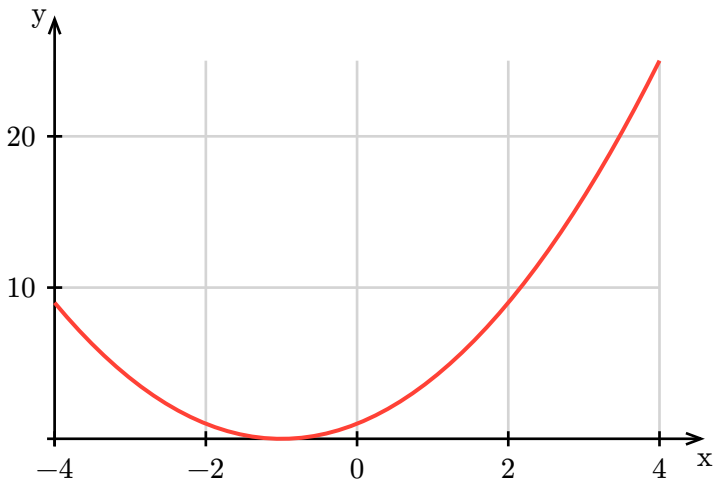


Figure 1: Yamazaki T

2. QUANTUM MECHANICS

2.1. WAVE FUNCTION

$$-\frac{\hbar^2}{2m}\nabla^2\psi + v(\vec{x})\psi = i\hbar\frac{\partial\psi}{\partial t}$$
$$\int_{-\infty}^{\infty} dx \, \psi^*\psi = 1$$

3. TABLE

Observable	Operator	Operation
x	\hat{x}	$x \cdot \psi(x, t)$
p	p	$-i\hbar \cdot \frac{\partial}{\partial x} \psi(x, t)$
E	\hat{H}	$\left[\frac{1}{2m} \hat{p}^2 + V(x) \right] \psi$
$V(x)$	$\hat{V}(x)$	$V(x) \psi$
	$\frac{da}{dx}$	