

【演習1】 三角関数、指数法則

$$-(a-b) = (\boxed{b}-a)$$

$$\frac{1}{x} = x^{\boxed{-1}}, \quad a^0 = \boxed{1}$$

$$a^x/a^y = \frac{a^x}{a^y} = a^{x-\boxed{y}}$$

$$(a^x)^{\boxed{y}} = a^{xy}, (a^x)^{-y} = a^{-\boxed{xy}}$$

$$\cos(45^\circ) = \cos\left(\frac{\pi}{\boxed{4}}\right) = \frac{\sqrt{2}}{2}$$

$$\sin(-45^\circ) = \sin\left(-\frac{\boxed{\pi}}{4}\right) = -\frac{\sqrt{2}}{2}$$

$$\sin(240^\circ) = \sin\left(\frac{4\pi}{\boxed{3}}\right) = -\frac{\sqrt{3}}{\boxed{2}}$$

$$\cos(120^\circ) = \cos\left(\frac{2\pi}{\boxed{3}}\right) = -\frac{1}{\boxed{2}}$$

$$\sin(-\pi) = \boxed{0} \quad \cos(\pi) = \boxed{-1}$$

$$\lim_{\theta \rightarrow 0} \frac{\sin \theta}{\theta} = \boxed{1} \quad \lim_{h \rightarrow 0} (1+h)^{\frac{1}{h}} = \boxed{e}$$

$$\log_a b = \frac{\log_e \boxed{b}}{\log_e a}, \quad \log_a \boxed{a} = 1$$

学籍番

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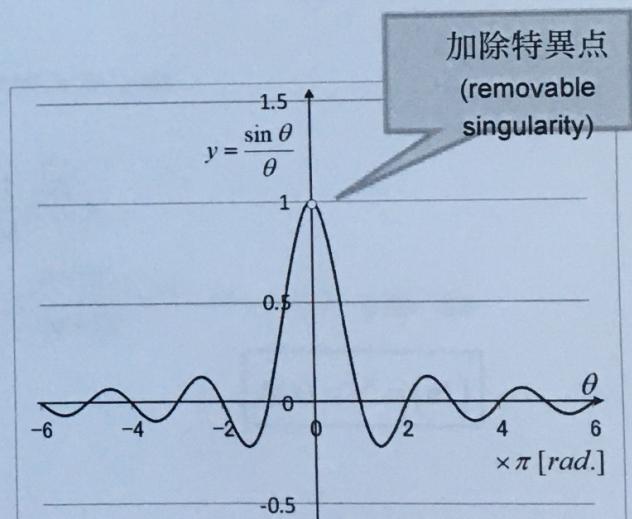
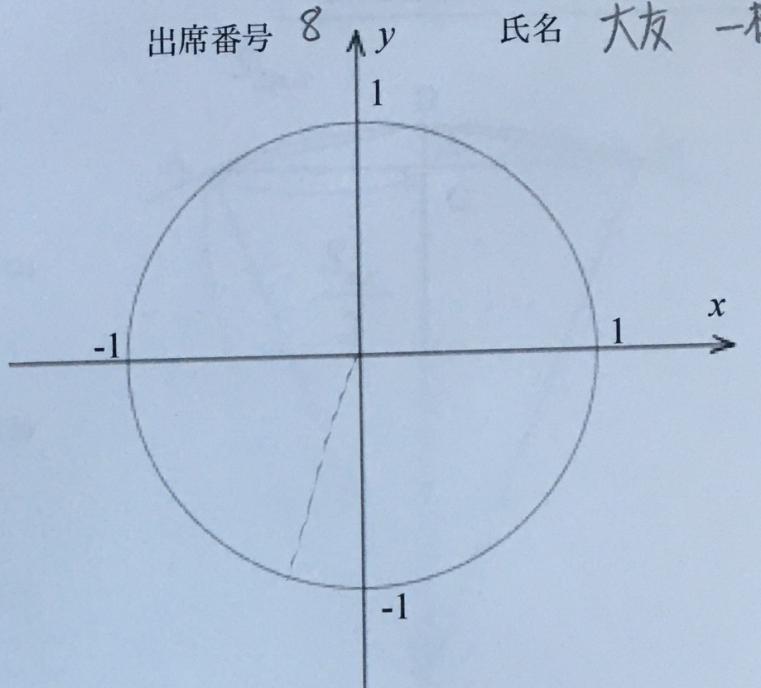
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図は適宜利用

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サンプリング関
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標本化関数