## まなない



日期:

| 
$$\int_{X\to 0}^{\sin x} \frac{\sin x}{x} = |$$
  $\int_{X\to 0}^{\sin x} \frac{\cos x}{1-\frac{1}{2}x^{2}} = |$   $\int_{X\to 0}^{\sin x} \frac{d^{2}f}{dx^{2}} \frac{d^{3}f}{dx^{3}} \frac{d^{4}f}{dx^{3}} \frac{d^{4}f}{dx^{4}}$ 

|  $\int_{X\to 0}^{\cos x} \frac{1}{x^{2}} \frac{1}{x^{2}} \frac{1}{x^{2}} \frac{d^{3}f}{dx^{3}} \frac{d^{4}f}{dx^{4}} \frac{d^{3}f}{dx^{4}} \frac{d^{4}f}{dx^{4}} \frac{1}{x^{2}} \frac{d^{4}f}{dx^{4}} \frac{d^{4}f}{dx$ 

$$\frac{d^8}{dx^6}(c_8x^8) = \frac{8}{8} \times \frac{1}{8} \times \frac$$

到值、切敛料率 f(n), f(n).f(n)

4. Co. C. C. Cn:

$$C_1 \Rightarrow \frac{df}{d\pi} \quad G_2 \Rightarrow \frac{d^2f}{d\pi^2} \quad G_3 \Rightarrow \frac{d^2f}{d\pi^3} \quad \dots \quad G_4 \Rightarrow \frac{d^2f}{d\pi^n}$$

$$\frac{dR}{d\pi} = G \quad \frac{d^2R}{d\pi^2} = 3 \times 2 \times |\times G_3| \quad \frac{d^2R}{d\pi^n} = n! \quad C_n$$

G: from C1 = 1: 
$$\frac{df}{d\pi}|_{x=x_0}$$
 C2 =  $\frac{1}{2!}\frac{df}{dx^2}|_{x=x_0}$  C3 =  $\frac{1}{3!}\frac{df}{dx^3}|_{x=x_0}$ 

$$\int_{-\infty}^{\infty} R(x) = f(x_0) + \frac{1}{1!} \cdot f(x_0) \cdot (x_0 - x_0) + \frac{1}{2!} f(x_0) \cdot (x_0 - x_0)^2 + \dots + \frac{1}{n!} f(x_0) \cdot (x_0 - x_0)^n$$

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| $e^{x}$ $x=0$ $\frac{d^{n}(f)}{dx^{n}} _{x=0}=1$ $e=$ | = 2.7 |
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ex=R(x)=1+++x++=x2+==x3+...+++=x1

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