1.7 司级课.

$$V = \int_{0}^{2\pi} \frac{\lambda |S^{n}A|}{|+\alpha^{2}A|} dx - \int_{0}^{\pi} \frac{\lambda |S^{n}A|}{|+\omega^{2}A|} dx?$$

$$27 = \int_{0}^{2\pi} \frac{\lambda |S^{n}A|}{|+\omega^{2}A|} dx + \int_{0}^{\pi} \frac{\lambda |S^{n}A|}{|+\omega^{2}A|} dx$$

$$= \int_{0}^{2\pi} \frac{\lambda |S^{n}A|}{|+\omega^{2}A|} dx + \int_{0}^{\pi} \frac{\lambda |S^{n}A|}{|+\omega^{2}A|} dx$$

$$= 22 \int_{0}^{2\pi} \frac{\lambda |S^{n}A|}{|+\omega^{2}A|} dx = 42 \int_{0}^{\pi} \frac{\lambda |S^{n}A|}{|+\omega^{2}A|} dx$$

$$= -42 \int_{0}^{\pi} \frac{\lambda |S^{n}A|}{|+\omega^{2}A|} dx = -42 \arctan(\omega x) \Big|_{0}^{2}$$

$$= 2\pi^{2}.$$

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$$= \int_{-1}^{2\pi} \varphi(t) dt$$

$$F'(x) = \varphi(2\pi) \cdot 2 = 2 \int_{1}^{6\pi} \omega(s') ds$$

$$F'(x) = 2 \omega(36\pi^{2}) \cdot 6 = 12 \omega 36\pi^{2}$$

3.
$$S = \sum_{n=1}^{\infty} I_n \frac{n(2n+1)}{(n+1)(2n-1)}$$

3.
$$S = \sum_{n=1}^{\infty} l_n \frac{n(2n+1)}{(n+1)(2n+1)}$$
, $\frac{2}{2n+1} \cdot \frac{2}{2n+1} \cdot \frac{2}{$

红河花兰(H) 的 敬敬. 有效为 N3, N3.

$$\frac{1}{2N+(-1)^{n}} \leq \frac{1}{2N-1}, \quad \frac{3}{4}i \frac{1}{6} \frac{1}{2N} \qquad \frac{$$

J. 13 12 [(2M)!] 1 ~ € n. (n → + ∞).

$$\lim_{N \to \infty} \frac{\sqrt{|2n|!}}{\sqrt{n!}} = \lim_{N \to \infty} \frac{\sqrt{2n(2n+1) - (n+1)}}{\sqrt{n}}$$

$$= \lim_{N \to \infty} \sqrt{\frac{2n}{n}} \times \frac{2n-1}{\sqrt{n}} \times \frac{n+1}{\sqrt{n}}$$

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$$G_{n} = \frac{\sqrt{2n!}}{n} = \left[\frac{\sqrt{4n^{2} \cdot (\frac{2n}{e})^{m} \cdot e^{12n}}}{\sqrt{2n^{2} \cdot (\frac{n}{e})^{n} \cdot e^{12n}}}\right]^{\frac{1}{n}} = \left(\frac{2n}{e}\right)^{\frac{n}{n}}$$

$$= \frac{4n}{e} \cdot \frac{1}{n} = \frac{4}{e}$$

$$n \ge \sqrt{3} + \sqrt{3} = \frac{\ln m}{m} \le \frac{(2 \ln n)^{\alpha}}{n^{2}}$$
.

$$\int_{\pi}^{2} \frac{(\lambda - t) \left[S(\lambda - t) \right]}{\left[\pi b^{2} (\kappa - t) \right]} d(\lambda - t)$$

$$= \int_{-2}^{2} \frac{(2-t)|\varsigma t|}{|t|\varsigma t} dt$$

$$\begin{bmatrix}
\alpha_{1} = \frac{(-1)^{n}}{2n + (-1)^{n}} \Rightarrow b_{1} = \frac{(-1)^{n}}{2n}
\end{bmatrix}$$

$$\alpha_{1} - b_{1} = (-1)^{n} \frac{-(-1)^{n}}{2n \cdot 2n + (-1)^{n}}$$

$$= -\frac{1}{4n^{2} + (-1)^{n}} \sim \frac{1}{4n^{2}}$$

$$= \frac{1}{4n^{2} + (-1)^$$

$$a_{n}-b_{n}=(-1)^{n}-(-1)^{n}$$
 $2n^{2}[2n^{2}+(-1)^{n}]$
 $4n^{2}+(-1)^{n}2n^{2}$
 $4n^{2}+(-1)^{n}2n^{2}$