Dita Jana dx.

$$R_{X} = \frac{1}{2} \ln x \, d(x^{2} - 1) = \frac{1}{2} \ln x \cdot (x^{2} - 1)^{-1} - \frac{1}{2} \int \frac{1}{x(x+1)(x-1)} dx$$

$$\frac{A}{x} + \frac{B}{x+1} + \frac{C}{x-1} = \frac{A(x-1)+B(x-x)+C(x^2+x)}{x(x+1)(x-1)} = \frac{A}{x(x+1)(x-1)} \Rightarrow \begin{bmatrix} A = -1 \\ B = \frac{1}{2} \\ C = \frac{1}{2} \end{bmatrix}$$

故原式=
$$\frac{1}{2} |n \times (x-1)^{7} - \frac{1}{4} \int (\frac{1}{x+1} + \frac{1}{x+1} - \frac{2}{x}) dx$$

= $\frac{1}{2} |n \times (x-1)^{7} - \frac{1}{4} |n | x+1 + \frac{1}{2} |n | x| + C$.

小结:不定积为的没用

2) HA JO N N J X - X dr.

属式=
$$\int_0^2 x^2 \sqrt{1-(x+1)^2} dx$$
. 全 $t=xH$.

$$R \hat{x} = \int_{-1}^{1} (t+t)^2 \sqrt{1-t^2} dt = \int_{-1}^{1} (t+t) \sqrt{1-t^2} dt + \int_{-1}^{1} 2t \sqrt{1-t^2} dt.$$

福盛,含去

$$\frac{1}{2}$$
 t= sin θ . dt = coso d θ .

$$\mathbf{K}\mathbf{\hat{x}} = \begin{pmatrix} \frac{1}{2} \left(1 + \sin\theta \right) \cos\theta \, d\theta = \begin{pmatrix} \frac{1}{2} \left[1 - \sin\theta \, d\theta \right] = \Pi - \lambda \left[\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \right] = \frac{5}{3}\Pi \end{pmatrix}$$

定部为有佛性起用,关于平方接孔 ; 三角角折竹其古代.

求f[0],并讨论f(0)在不助的连续性,不能使复治比达!!!

$$\frac{f(x) - f(x)}{x} = \lim_{x \to 0} \frac{g(x) - e^{2x}}{x^2} = \lim_{x \to 0} \frac{g(x) - 2e^{2x}}{x^2} = \lim_{x \to 0} \frac{g(x) - 2e^{2x}}{x} = \lim_{x \to 0$$

$$=\frac{1}{2}g''(0)+\frac{1}{2}\lim_{x\to 0}(-4e^{2x})$$

$$\frac{1}{100} \int_{-\frac{\pi}{2}}^{100} x \left[\frac{g(x) - 2e^{x^2}}{x^2} \right] - \left[\frac{g(x) - e^{x^2}}{x^2} \right] \times \frac{1}{100} = \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} - \frac{1}{100} \frac{g(x) - e^{x^2}}{x^2} = \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} - \frac{1}{100} \frac{g(x) - e^{x^2}}{x^2} = \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} - \frac{1}{100} \frac{g(x) - e^{x^2}}{x^2} = \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} - \frac{1}{100} \frac{g(x) - e^{x^2}}{x^2} = \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} - \frac{1}{100} \frac{g(x) - e^{x^2}}{x^2} = \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} - \frac{1}{100} \frac{g(x) - e^{x^2}}{x^2} = \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} - \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} = \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} - \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} = \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} = \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} - \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} = \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} - \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} = \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} - \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} = \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} - \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} = \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} - \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} = \frac{1}{100} \frac{g(x) - 2e^{x^2}}{x^2} =$$

小 结:	A(x) 二种 程(3)	Q(x) 二新导動存在(s)	9的导星9次连续
	\$ 1 1 1 1 1 1 1 1 1 1	0000 11 10000 200	<u>一</u>
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		N .,	