





$$\int_{X^{2}}^{1} dx = \lim_{\xi \to 0^{+}} \int_{X}^{-2} dx = \lim_{\xi \to 0^{+}} \left[\frac{1}{-1} \int_{\xi}^{-1} \int_{\xi}^{-1} dx - \int_{\xi}^{-1} \int_{\xi}^{-1} dx \right] = \infty$$

$$\int_{0}^{1} \int_{\xi}^{2} dx = \lim_{\xi \to 0^{+}} \int_{\xi}^{-2} dx = \lim_{\xi \to 0^{+}} \left[\frac{1}{-1} \int_{\xi}^{-1} \int_{\xi}^{-1} dx - \int_{\xi}^{-1} \int_{\xi}^{-1} dx \right] = -1 + (\frac{1}{\xi})$$
As integrally discovered by the solution of the solution o

Equil rev elene
$$\frac{1}{1-x^2} dx = \lim_{N \to 2} \int_{N-x^2}^{\infty} dx = \lim_{N \to 3} \int_{N-x^2}^{\infty} dx = \lim_{N \to 3}^{\infty} dx = \lim$$

$$\int_{-1}^{1} \frac{1}{dx} dx = \int_{-1}^{1} \frac{1}{2} dx = \lim_{x \to \infty} \int_{-1}^{1} \frac{$$

de $a \circ d \circ p$ $= \lim_{\lambda \to 0} \left[\ln |x| \right]^{1} + \lim_{\beta \to 0} \left[\ln |x| \right]^{1} =$ $= \lim_{\lambda \to 0} \left(\ln |x| - \ln |x| \right) + \lim_{\beta \to 0} \left(\ln |x| - \ln |\beta| \right) = \frac{2}{3} \left(\cos + \cos \right)$ $\int_{0}^{\infty} \log |x| d dx$ $\int_{0}^{\infty} \log |x| dx$