

[illegible]

$$\leq \frac{1}{\sqrt{n}} \sum_{j=1}^n \left| \frac{\partial}{\partial x_j} \log f(x) \right|$$

[illegible]

[illegible]

$$\leq \text{H}_{\text{max}}^{\text{max}}(\rho) + \frac{1}{n} \log \left(\frac{n}{m} \right)$$

$$\leq \frac{1}{\sqrt{\pi}} \left(\int_{-\infty}^{\infty} |f(x)|^2 dx \right)^{1/2} \left(\int_{-\infty}^{\infty} |g(y)|^2 dy \right)^{1/2}$$

[illegible]

[illegible]