

P7

$$\frac{m}{\frac{1}{|x_1|} + \dots + \frac{1}{|x_m|}} \leq (|x_1| \dots |x_m|)^{1/m} \leq \frac{|x_1| + \dots + |x_m|}{m} \leq \sqrt{\frac{|x_1|^2 + \dots + |x_m|^2}{m}}$$

HP

GP

AP

KP

RIESZOVA LEMA

\mathbb{R}^2

$\eta \in [0, 1)$

