Repuberer Bo Mundersono DioSp.  $(x_1, x_2, ..., x_n) \mapsto \left( \sum_{i=1}^{n} |x_i|^2 \right)^{\frac{1}{p}}$  gebr. regimen, T. 2. Boinon um. T. a. Boinonugueron nep-bo D-ka ( \( \lambel{\( \lambel{\( \lambel{\( \lambde\)}} \right) \frac{1}{p}} \) \( \lambel{\( \lambde\) \( \lambde\ Mon P=1 orebuguo.

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E pail (ai+bi) P-1 (bi) (bi+bi) P-1 (bo- Téregepam ux) Elbildai+billes = (2 Bille). (Elaitbilles) =  $= \left( \frac{2}{|\alpha_{i}|^{p}} \right)^{\frac{1}{p}} \cdot \left( \frac{2}{|\alpha_{i}|^{p}} \right)^{\frac{1}{q}}$   $= \left( \frac{2}{|\alpha_{i}|^{p}} \right)^{\frac{1}{p}} \cdot \left( \frac{2}{|\alpha_{i}|^{p}} \right)^{\frac{1}{q}} \cdot \left( \frac{2}{|\alpha_{i}|^{p}} \right)^{\frac{1}{q}} \cdot \left( \frac{2}{|\alpha_{i}|^{p}} \right)^{\frac{1}{q}}$   $= \left( \frac{2}{|\alpha_{i}|^{p}} \right)^{\frac{1}{p}} \cdot \left( \frac{2}{|\alpha_{i}|^{p}} \right)^{\frac{1}{q}} \cdot \left( \frac{2}{|\alpha_{i}|^{p}} \right)^{\frac{1}{q}} \cdot \left( \frac{2}{|\alpha_{i}|^{p}} \right)^{\frac{1}{q}}$   $= \left( \frac{2}{|\alpha_{i}|^{p}} \right)^{\frac{1}{p}} \cdot \left( \frac{2}{|\alpha_{i}|^{p}} \right)^{\frac{1}{q}} \cdot \left( \frac{2}{|\alpha_{$ Ejaitel Denum obe raum na (Elaitbil) & >> 2 | ai + bil | - 1 = ( 2 | ail \* ) + ( 2 | bi | P) + ( 2 | bi | P) +  $\left(2 | \text{dithil}^{P}\right)^{\frac{1}{P}} \leq \left(2 | \text{dil}\right)^{\frac{1}{P}} + \left(2 | \text{bil}^{P}\right)^{\frac{1}{P}}$ 

4.T.g.