# PRIME PAUCITY FOR SUMS OF TWO SQUARES 

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Abstract. Almost all solutions of the diophantine equation $x_{1}^{2}+x_{2}^{2}=x_{3}^{2}+$ $x_{4}^{2}=x_{5}^{2}+x_{6}^{2}$, with all $x_{j}$ prime numbers, are diagonal ones. This is estabilshed here in a quantitative form.

