

On the proof of the genus bound for Enriques–Fano threefolds

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Abstract. Given an Enriques surface S embedded in \mathbb{P}^3 with a certain linear system, we show that S is not hyperplane section of any threefold $X \subset \mathbb{P}^{r+1}$ that is not a cone over S . This special case completes the proof of the genus bound for Enriques–Fano threefolds [11, Thm. 1.5].

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