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## Hölder continuity of singular sets in variational problems

It is known that the singular set of a locally energy minimizing map from an  $\mathbf{R}^4$ -domain into  $\mathbf{S}^2$ , or of a stable, stationary map from an  $\mathbf{R}^5$ -domain into  $\mathbf{S}^3$  consists locally of a finite number of points and a finite number of Hölder continuous curves. These results are due, respectively, to Hardt and Lin, and Lin and Wang. I will discuss an elementary method which in particular gives partial generalizations of both these results to  $\mathbf{R}^n$ -domains for any  $n$ . I will also discuss the applicability of the idea to singularities of minimal submanifolds.