

My formalization project

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Theorem 1. *There is a homotopy of immersions of \mathbb{S}^2 into \mathbb{R}^3 from the inclusion map to the antipodal map $a : q \mapsto -q$.*

Proof. This obviously follows from what we did so far.

sage matrix:

$$\begin{pmatrix} 7 & 10 \\ 15 & 22 \end{pmatrix}$$

□