Infinitely many p-harmonic self-maps of spheres

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We study rotationally p-harmonic self-maps between spheres. We prove that for $p \in \mathbb{N}$ given, there exist infinitely many p-harmonic self-maps of $\mathbb{S}^m$ for each $m \in \mathbb{N}$ with $p < m < 2 + p + 2\sqrt{p}$.

This is joint work with Volker Branding.