

Title: Positive Ricci- (k,n) curvature and Gromov-Lawson concordance

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Abstract:

Gromov-Lawson concordance of positive scalar curvature metrics implies such metrics are isotopic in the space of positive scalar curvature metrics. We generalise this result to Ricci- (k,n) curvature metrics for some k less than or equal to n , using Gromov-Lawson surgery and the Morse cancellation theorem.