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Obstruction Theory and Coincidences in Positive Codimension

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摘要 Let $f, g: X \rightarrow Y$ be two maps between closed manifolds with $\{\dim X \geq \dim Y = n \geq 3\}$. We study the primary obstruction $\sigma_{-n}(f, g)$ to deforming f and g to be coincidence free on the n -th skeleton of XX . We give examples for which obstructions to deforming f and g to be coincidence free are detected by $\sigma_{-n}(f, g)$.

关键词 [Nielsen number](#) [Reidemeister number](#) [coincidence theory](#) [obstruction theory](#)

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Abstract Let $f, g: X \rightarrow Y$ be two maps between closed manifolds with $\{\dim X \geq \dim Y = n \geq 3\}$. We study the primary obstruction $\sigma_{-n}(f, g)$ to deforming f and g to be coincidence free on the n -th skeleton of XX . We give examples for which obstructions to deforming f and g to be coincidence free are detected by $\sigma_{-n}(f, g)$.

Key words [Nielsen number](#) [Reidemeister number](#) [coincidence theory](#) [obstruction theory](#)

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