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The Local Index Formula for $SU_q(2)$

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Abstract. We discuss the local index formula of Connes–Moscovici for the isospectral noncommutative geometry that we have recently constructed on quantum $SU(2)$. We work out the cosphere bundle and the dimension spectrum as well as the local cyclic cocycles yielding the index formula.

Keywords noncommutative geometry - spectral triple - quantum $SU(2)$

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