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Eigenspectra of Minimally Doubled Fermions

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We determined the eigenspectra of minimally doubled fermions (MDF), in both Karsten-Wilczek and Borici-Creutz realizations, and studied the chiralities of the eigenmodes and topological charges for background SU(3) gauge fields in four spacetime dimensions. We employed the spectral flow of the eigenvalues for this work.

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