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Apoorva Khare* (apoorva.khare@yale.edu), 10 Hillhouse Avenue, Department of Mathematics, New Haven, CT 06511. *Infinitesimal Hecke algebras*.

Infinitesimal Hecke algebras are deformations of non-semisimple Lie algebras, that share many common properties with semisimple Lie algebras, including concerning their centers and their characters, primitive ideals, symplectic leaves, and quantum analogues. We survey some of the results concerning their structure and representation theory. (Received February 16, 2010)