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**Christopher M Ormerod\*** ([cormerod@caltech.edu](mailto:cormerod@caltech.edu)), Department of Mathematics, California Institute of Technology, 1200 E California Blvd, Pasadena, CA 91125. *Twisted reductions of integrable lattice equations, and their Lax representations.*

We consider reductions of autonomous and non-autonomous lattice equations satisfying a self-similarity constraint, which generalizes the notion of periodic reductions. As examples of this theory, we will present new reductions of the discrete potential Korteweg-de Vries equation, discrete modified Korteweg-de Vries equation and the discrete Schwarzian Korteweg-de Vries equation. We will describe a direct method for obtaining Lax representations for the given reductions. (Received September 16, 2013)