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Wai Kiu Chan* (wkchan@wesleyan.edu), Department of Math and Computer Science, Wesleyan University, Middletown, CT 06459. *Regularity properties of integral quadratic forms.*

An integral quadratic form is said to be *regular* if it globally represents all integers that are locally represented everywhere by the form. In this talk, we present an overview of recent finiteness results on regular integral quadratic forms and quadratic forms which satisfy other similar regularity properties. (Received August 28, 2006)