

Oppenheim Lecture

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Abstract

From Markoff to Oppenheim and Beyond

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Markoff initiated the study of the minima of indefinite binary quadratic forms with his celebrated spectrum. Oppenheim advanced the theory in 3 or more variables with numerous results and decisive insights, all of which are now proven thanks to older and recent advances. We will discuss these as well as higher degree forms for which much less is known. There is renewed interest in these questions as they arise as "Bass-Note Spectra" of differential operators.
