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Donatella Danielli* (danielli@math.purdue.edu), 150 N. University St., West Lafayette, IN 47907, and **Nicola Garofalo** and **Duy-Minh Nhieu**. *A Partial Solution of the Isoperimetric Problem for the Heisenberg Group*. Preliminary report.

In this talk we will describe some recent results on the characterization of minimizers for the isoperimetric ratio in the Heisenberg group for special classes of domains having suitable symmetry and regularity properties. (Received February 14, 2006)