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**John Bergdall\*** (bergdall@math.bu.edu), Department of Mathematics and Statistics, 111  
Cummington Street, Boston, MA 02215, and **Robert Pollack**. *Some questions about slopes of  
modular forms.*

In this talk we will discuss the  $U_p$ -slopes of  $p$ -adic modular forms. Our main goal will be to describe a recent conjecture giving a precise description of such slopes in many cases. We will also discuss several consequences of our conjecture which may be answered separately. This is based on joint work with Robert Pollack. (Received July 18, 2016)