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**Ken McMurdy\*** (mcmurdy@rose-hulman.edu). *Heegner Points on  $X_0(p^n)$ .*

In this talk we explain why Heegner points have smooth reduction in the stable model of  $X_0(p^n)$  when  $n = 2$  or  $3$ . Time permitting, we will also give examples to show how this fact can be used to determine arithmetic properties of the curves. (Received March 07, 2006)