1108-32-307   **Luke D. Edholm*** (`edholm.1@osu.edu`). *L^p boundedness of the Bergman projection on fat Hartogs triangles.* Preliminary report.

The Bergman theory of domains $\Omega_k = \{|z_1|^k < |z_2| < 1\}$ in $\mathbb{C}^2$ is studied for positive integers k. For each k, we obtain an explicit formula for the Bergman kernel. Using these formulas, the L^p boundedness of the Bergman projection associated to these domains is established, for a restricted range of p depending on the value of k. This range of p is also shown to be sharp. (Received January 17, 2015)