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Michael Albertson, Debra Boutin* (dboutin@hamilton.edu) and **Ellen Gethner**. *The thickness and chromatic number of r -inflated graphs.*

Catlin's graphs are the lexicographic product of a cycle C_n with a complete graph K_r ; another name for this is the *r -inflation of C_n* which we denote $C_n[r]$. The sets $\{C_n[2]\}$ and $\{C_n[3]\}$ are infinite graph families having the unusual property that both the chromatic number and thickness are known for each member. This talk expands on this idea by considering the thickness and chromatic number of the r -inflation of other graphs. (Received September 20, 2009)