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**Pinciu Val\*** ([pinciuv1@southernct.edu](mailto:pinciuv1@southernct.edu)), Mathematics Department, Southern Connecticut State University, 501 Crescent Street, New Haven, CT 06515. *On Shephard's Conjecture for Special Classes of Polyhedra.*

In 1975 Shephard conjectured that every convex polyhedron can be cut along edges and unfolded into a non-overlapping net. This problem is still open. We present several classes of polyhedra for which the conjecture is true. Then for general polyhedra we use graph domination in the dual graph of the polyhedron to improve the best bounds known for the number of non-overlapping nets into which a polyhedron may be cut by slices along edges. (Received August 29, 2007)