1046-52-1564   **Shlomo Reisner*** (`reisner@math.haifa.ac.il`), Department of Mathematics, University of Haifa, 31905 Haifa, Israel. *Algorithmic approximation of convex polytopes by simpler convex polytopes.*

New results concerning algorithmic approximation of convex polytopes by simpler (having fewer vertices or faces) convex polytopes are presented with various ways to measure the rate of approximation. This is a joint work with Mario A. Lopez. (Received September 16, 2008)