962-54-1258 Jinlu Li* (jli@shawnee.edu), Dept. of Math., Shawnee State University, 940 Second St., Portsmouth, OH 45662. Some Fixed Point Theorems in Star-shaped Sets. Preliminary report.
The convex property of a set plays a very important roll for a mapping which is from this set to itself to have a fixed point. In this paper, we prove some fixed point theorems for a mapping on some star-shaped sets which is more general than convex set. (Received October 03, 2000)