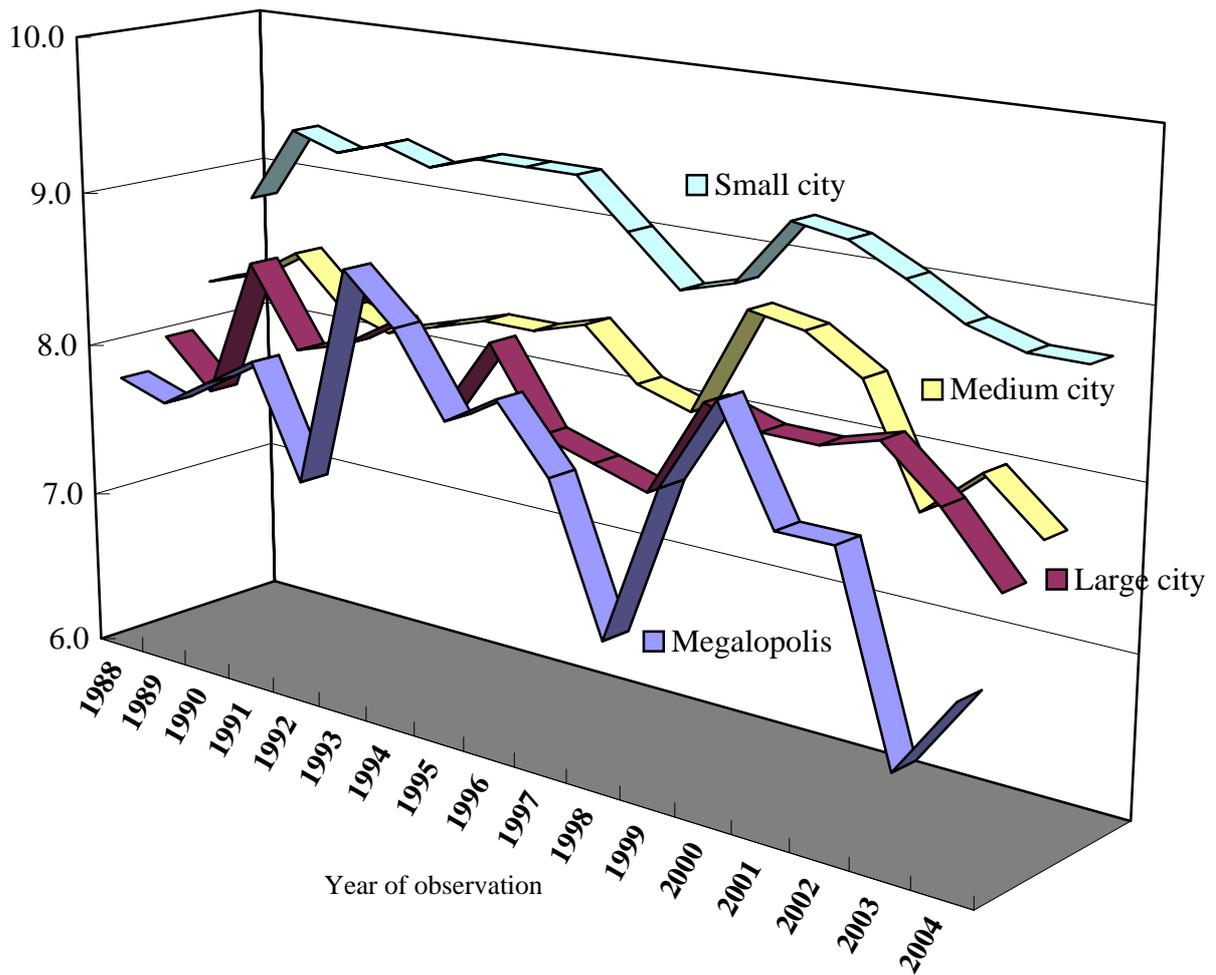


Fig. 2 Changes in Average Stellar Magnitude Observed According to City Scale



Notes: 1. Cities are classified according to their population.

Megalopolis: more than 1 million

Large city: 300 thousands ~ 1 million

Medium city: 100 thousands ~ less than 300 thousands

Small city: less than 100 thousands

2. Stellar magnitude

Stellar magnitude is the brightness of stars expressed in figure when they are observed from the ground. To distinguish from absolute magnitude which is brightness of star itself, which is an absolute magnitude, it is expressed as an apparent magnitude.

As number decreases by 1, apparent brightness becomes 2.5 times brighter.

Fig.2 shows that as the number get larger, the darker stars are visible.