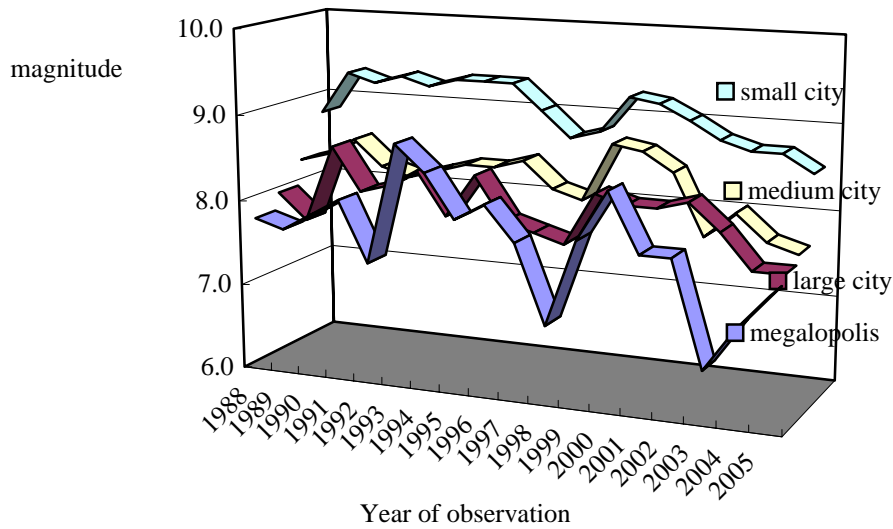


Fig.2 Changes in Average Stellar Magnitude Observed to City Scale



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

Megalopolis: more than 1 million

Large city: 300 thousand to 1 million

Medium city: 100 thousand to less than 300 thousand

Small city: less than 100 thousand

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, 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 gets larger, the darker stars are visible.