

# Morphology and Environment of Spiral Galaxies

H. B. Ann<sup>1</sup>

<sup>1</sup> Pusan National University, Department of Earth Science

Two principal components of spiral galaxies are bulge and disk and their luminosity ratio is the most important parameter that determines the Hubble stage of spiral galaxies. However, spiral galaxies show a variety of morphologies such as bars, spiral arms and rings. These components are secondary components developed in the disk. But bars and spiral arms are as important as bulge and disk in terms of their secular evolution. I review the morphological properties of spiral galaxies in connection with dynamical evolution as well as environmental dependence of spiral morphology.