

# 4 : LUMINOSITY FUNCTIONS

(4.1) Introduction

(4.2) Brief History

(4.3) The Schechter Function

(4.4) Methods of Evaluating Luminosity Functions

(a) Cluster Samples

(b) Field Samples

(i) Classical Method

(ii) Differential/Cumulative Ratio Method

(iii) The C Method

(4.5) Different LFs for Different Hubble Types

(4.6) Different LFs for Field and Clusters

(4.7) Physical Origin of the Luminosity Function