

Schechter Luminosity Function

log (L)

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 Generic feature of the Schechter luminosity function of galaxies Log(Phi(L)) → rises at fainter L for L<L*, → drops sharply at L > some characteristic L*
Schechter functions are a good fit to luminosity functions of galaxies in the field

Fig 3.31 EAC)

(b)

(())) do

Slope a

 $Schechter Luminosity Function as function of Log(L) versus M_g$

Galaxy Luminosity Functions

















