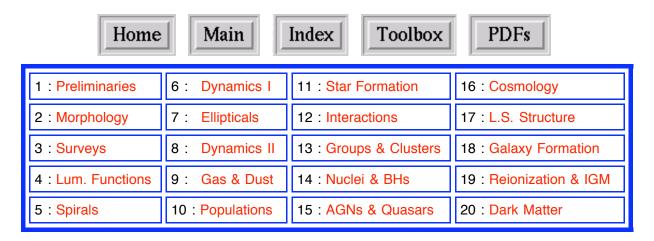
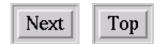
Whittle: EXTRAGALACTIC ASTRONOMY



17. GROWTH OF STRUCTURE



This Topic has not yet been prepared. Maybe next time (Spring 2007)



(1) Introduction

Outline basic sequence -- postpone some themes to Topic 18



(2) Descriptions of Density Fields

Overview -- different types include brief history of usage clarify scales and ranges and dimensions use & importance of window functions include how to normalize include discussion of Gaussianity Any practial aspects of calculating these from real data.



(3) Initial Power Spectra

Include some history -- isothermal/adiababtic 1970s; isocurvature/adiababitc now.

discuss meaning of "scale invariant" include several kinds of IPS -- and their weaknesses.



(4) Evolution of Density Fluctuations

preliminary version



(5) Baryon Acoustics & Structures



(6) Redshift Surveys



(7) Velocity Fields

