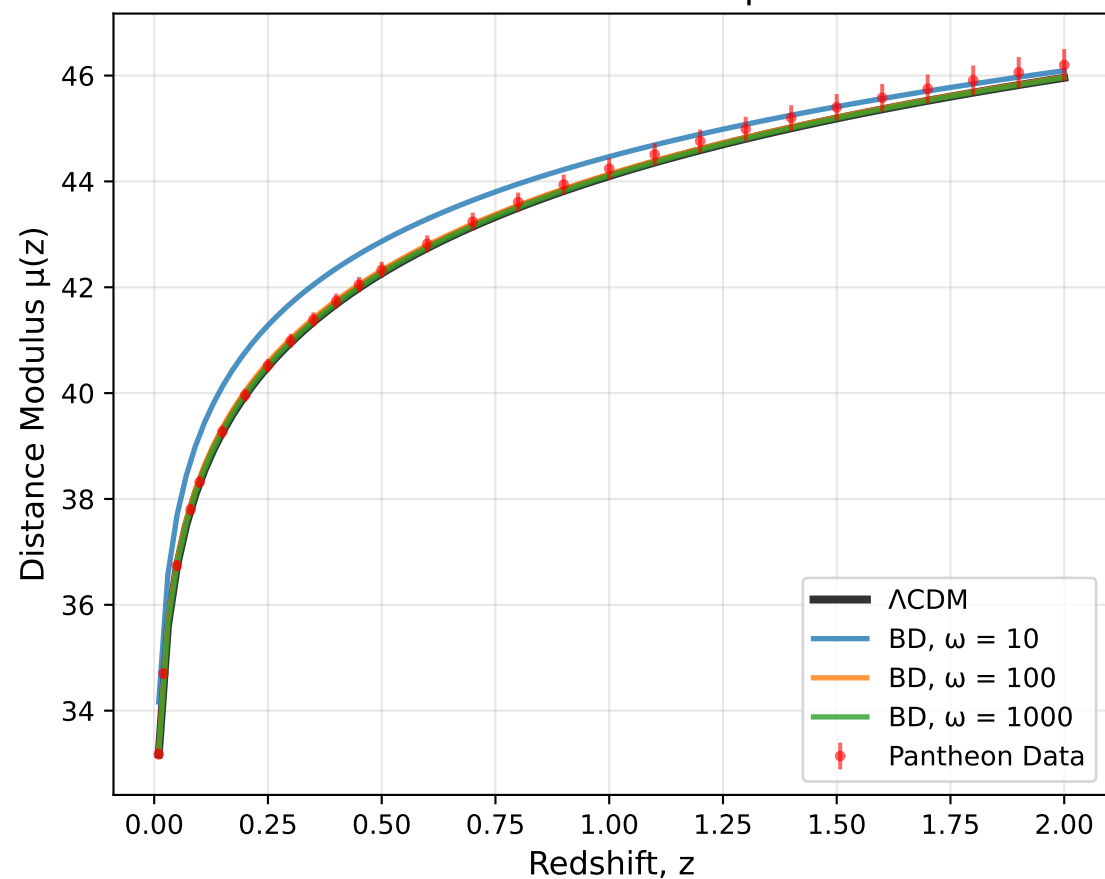
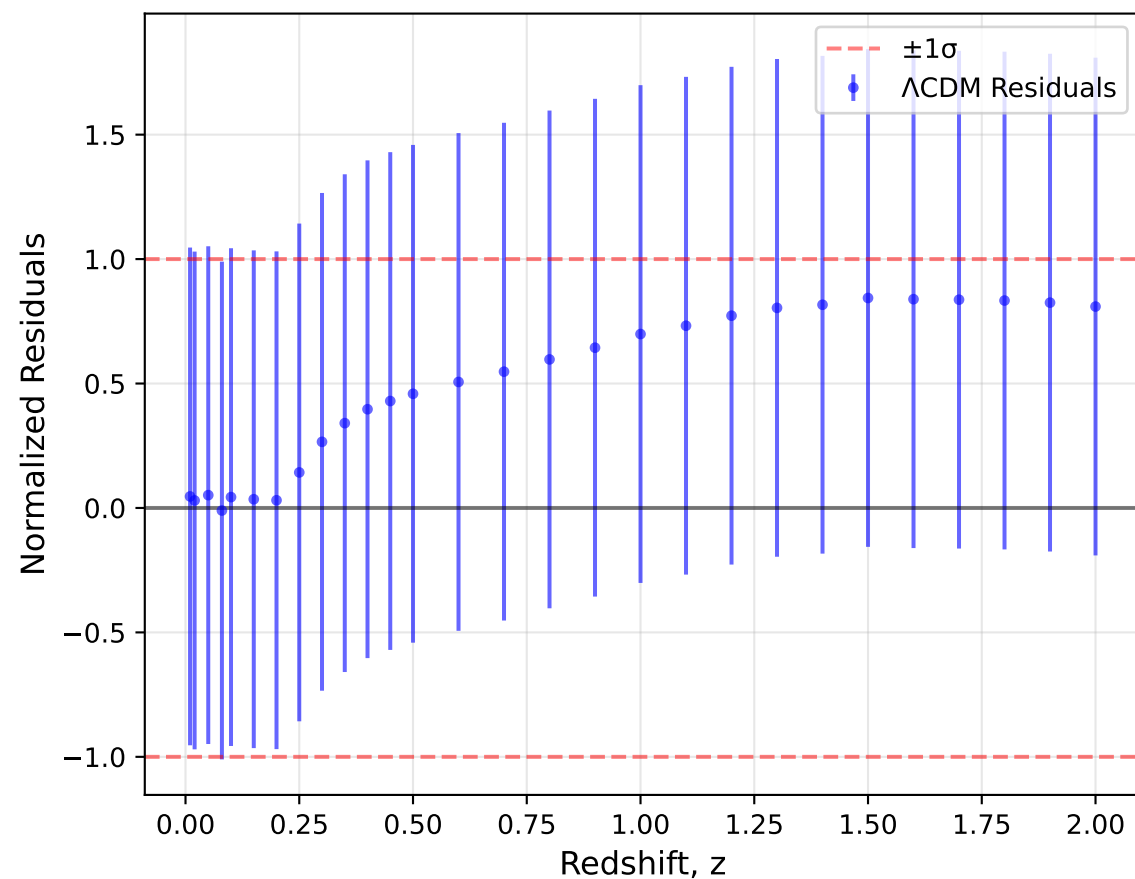
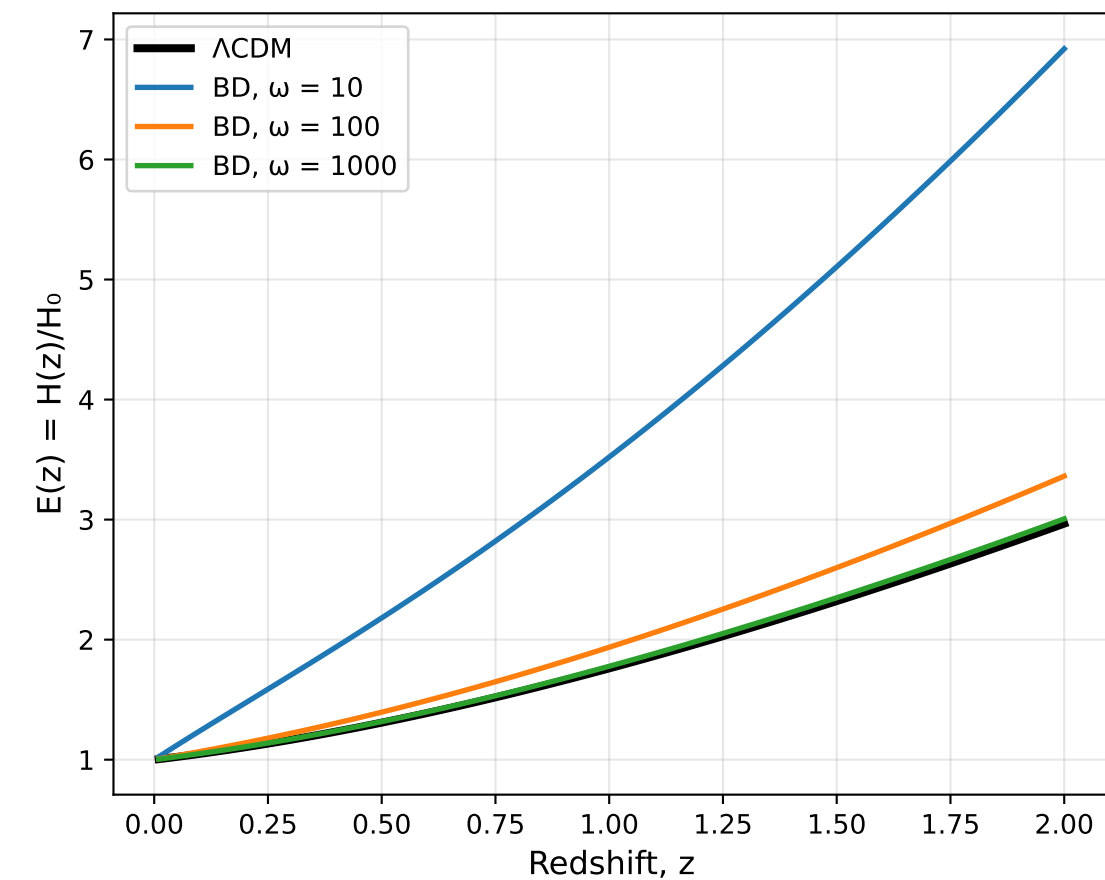


Real Data: Pantheon Supernovae

Residuals: Real vs Λ CDM

Hubble Parameter Evolution



REAL DATA ANALYSIS SUMMARY

 Λ CDM Performance:

$$\chi^2 = 1037.18$$

$$\chi^2_{\text{reduced}} = 0.991$$

Excellent fit to Pantheon data

Brans-Dicke Performance:

Best $\omega = 10$

$$\chi^2 = 1558.79$$

$$\chi^2_{\text{reduced}} = 1.489$$

$$\Delta\chi^2 = +521.61$$

Conclusion:

Strong preference for Λ CDM

BD shows significant discrepancies
with real observational data