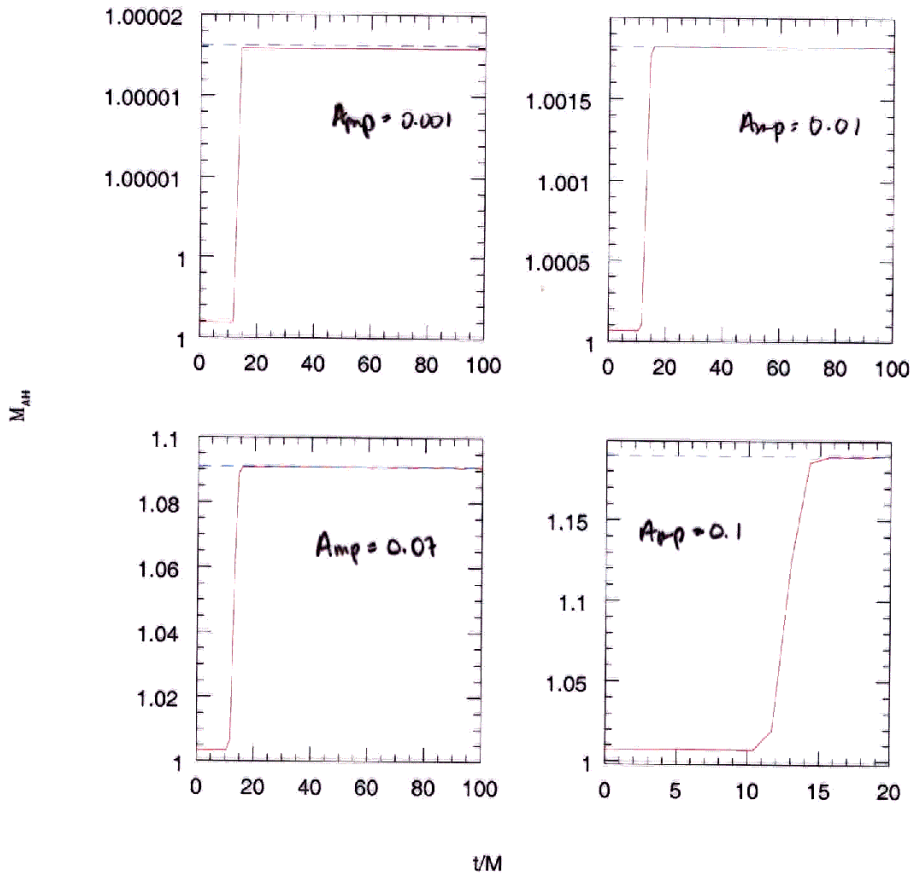
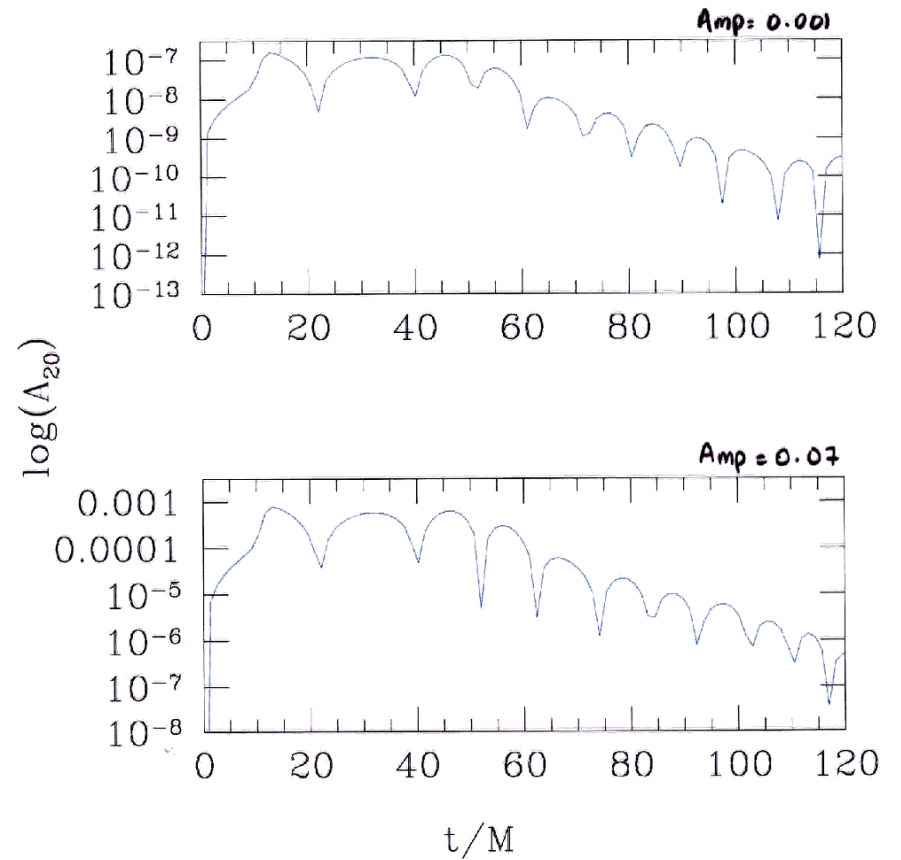


Mass of Apparent Horizon vs. time
 compared to ADM Energy of Initial Data

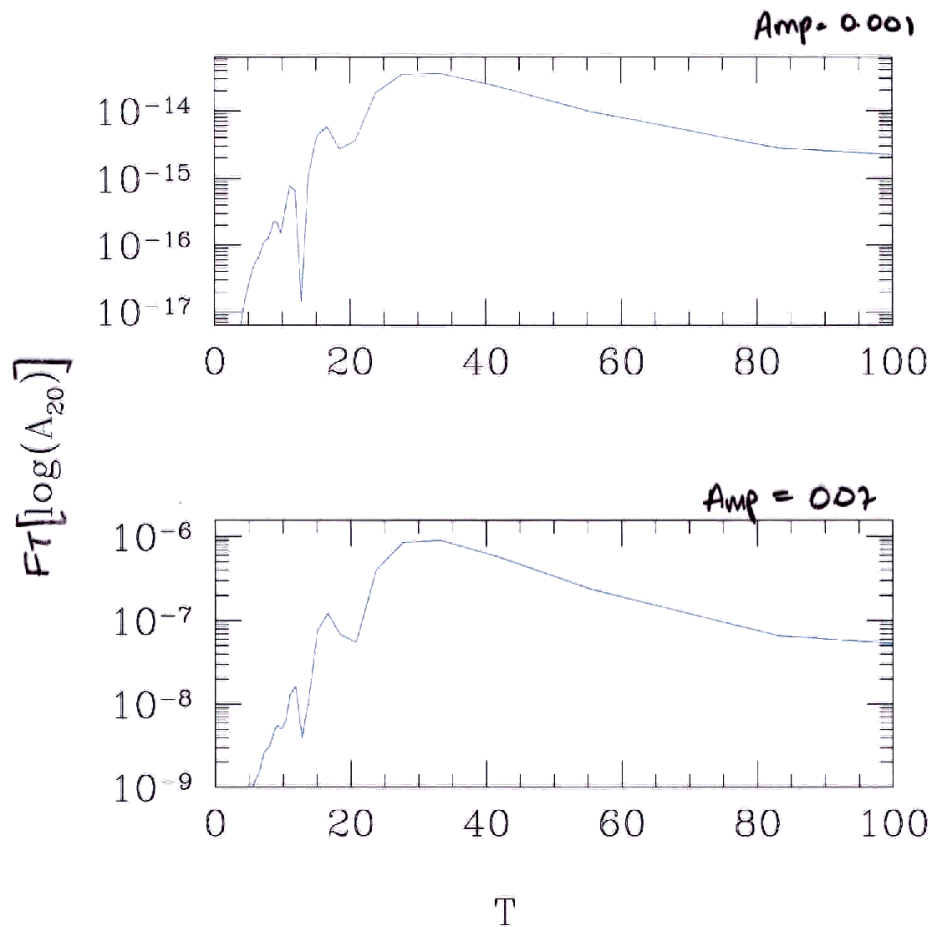


--- E_{ADM} (Initial Data)

Amplitude of spherical Harmonic (A_{20}) $l=2, m=0$
 versus time at $R_{observer} = 24M$



Fourier Transform of A_{20} ($R_{\text{observer}} = 24M$)
vs. Period



Open Issues

- + Salient features of evolution HDBH
- + Separate linear vs. non-linear
- + Transition to linearized regime (QN Ringing)

Our Plan

- + systematic study
- + add high Amplitudes
- + add \vec{J}
- + linear code