1 PART I

Interpolation

1. Interpolation routines.

   See Julia Code

Interpolation method	5 grid points	10 grid points	20 grid points
Global monomial	3.624	0.549	1.491
Linear spline	7.52	2.61	0.833
cubic spline	7.375	2.578	0.826

Interpolation method	5 grid points	10 grid points	20 grid points
Global monomial	0.292	0.031	2.843
Linear spline	0.797	0.231	0.065
cubic spline	0.644	8.337	0.887

Interpolation method	5 grid points	10 grid points	20 grid points
Global monomial	67.231	17.127	12.772
Linear spline	106.645	48.359	19.251
cubic spline	106.376	48.3	19.237

Interpolation method	5 grid points	10 grid points	20 grid points
Global monomial	251884.258	115697.137	46038.547
Linear spline	336349.131	202097.314	113060.359
cubic spline	336349.059	202097.306	113060.355

Interpolation method	5 grid points	10 grid points	20 grid points
Global monomial	3.88934724074138e11	2.08387581222779e11	1.08832607758105e11
Linear spline	5.03864673743989e11	3.2338560205199e11	2.05707722591662e11
cubic spline	5.03864673744076e11	3.23385602051989e11	2.05707722591662e11

2. Minimization of the (negative of the) accuracy ?
   See Julia Code

3. Extrapolation
   In progress