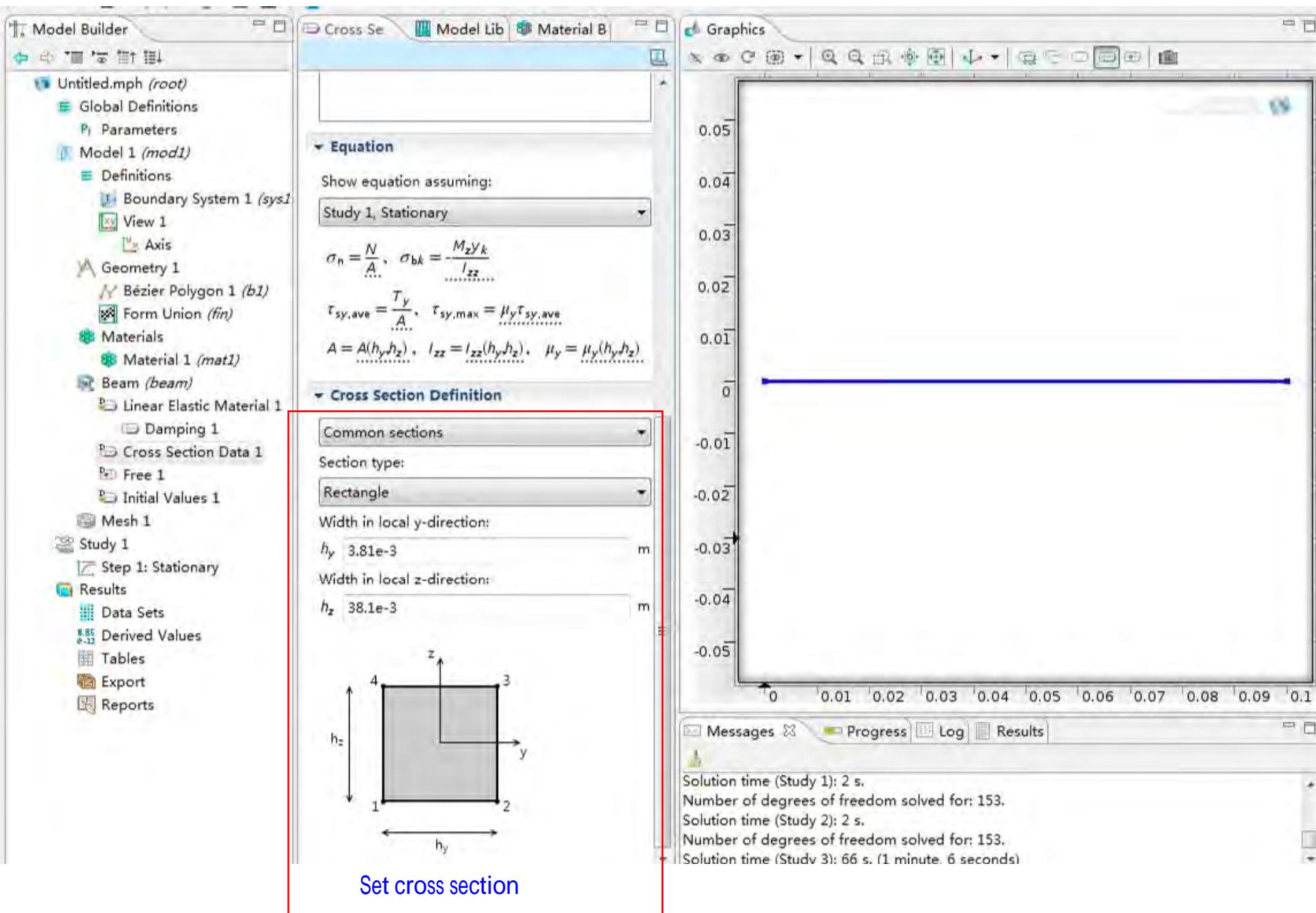


set damp and so on



Cross Section

Model Lib

Material B

Graphics

Equation

Show equation assuming:

Study 1, Stationary

$$\sigma_n = \frac{N}{A}, \quad \sigma_{bk} = -\frac{M_z y_k}{I_{zz}}$$

$$\tau_{sy,ave} = \frac{T_y}{A}, \quad \tau_{sy,max} = \mu_y \tau_{sy,ave}$$

$$A = A(h_y h_z), \quad I_{zz} = I_{zz}(h_y h_z), \quad \mu_y = \mu_y(h_y h_z)$$

Cross Section Definition

Common sections

Section type:

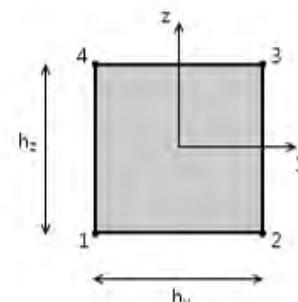
Rectangle

Width in local y-direction:

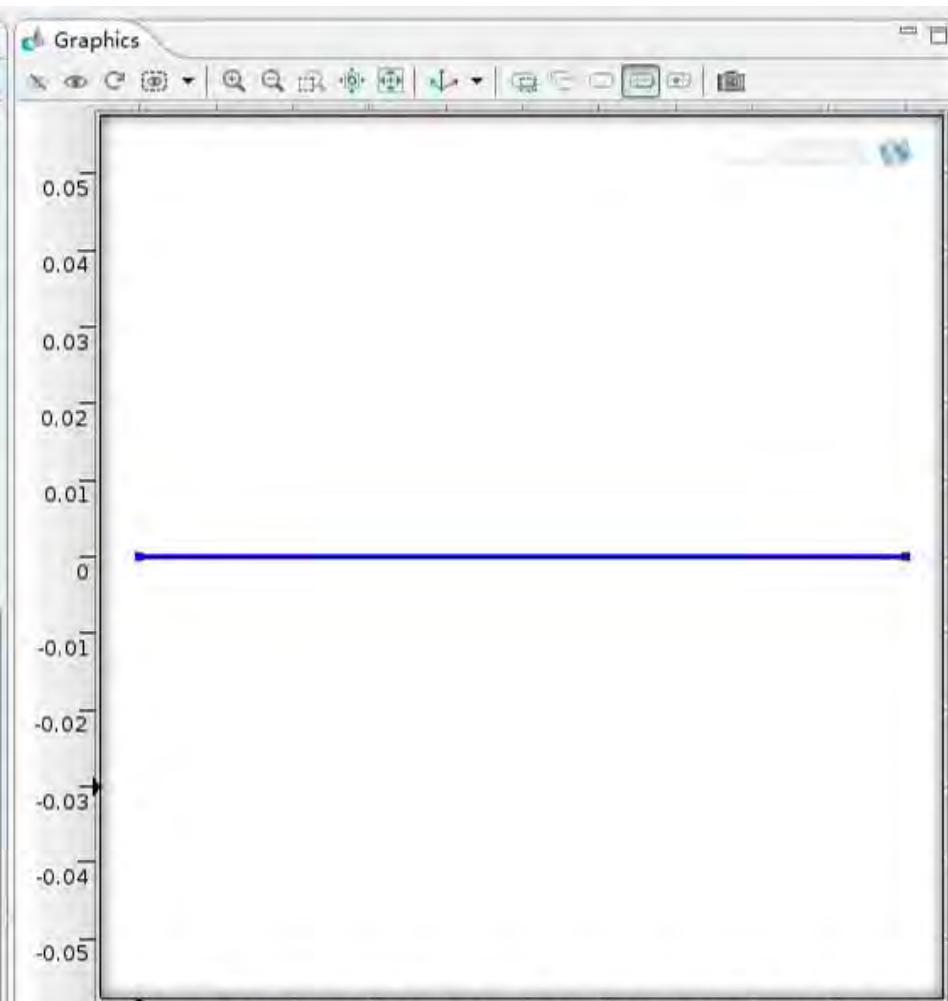
h_y 3.81e-3 m

Width in local z-direction:

h_z 38.1e-3 m

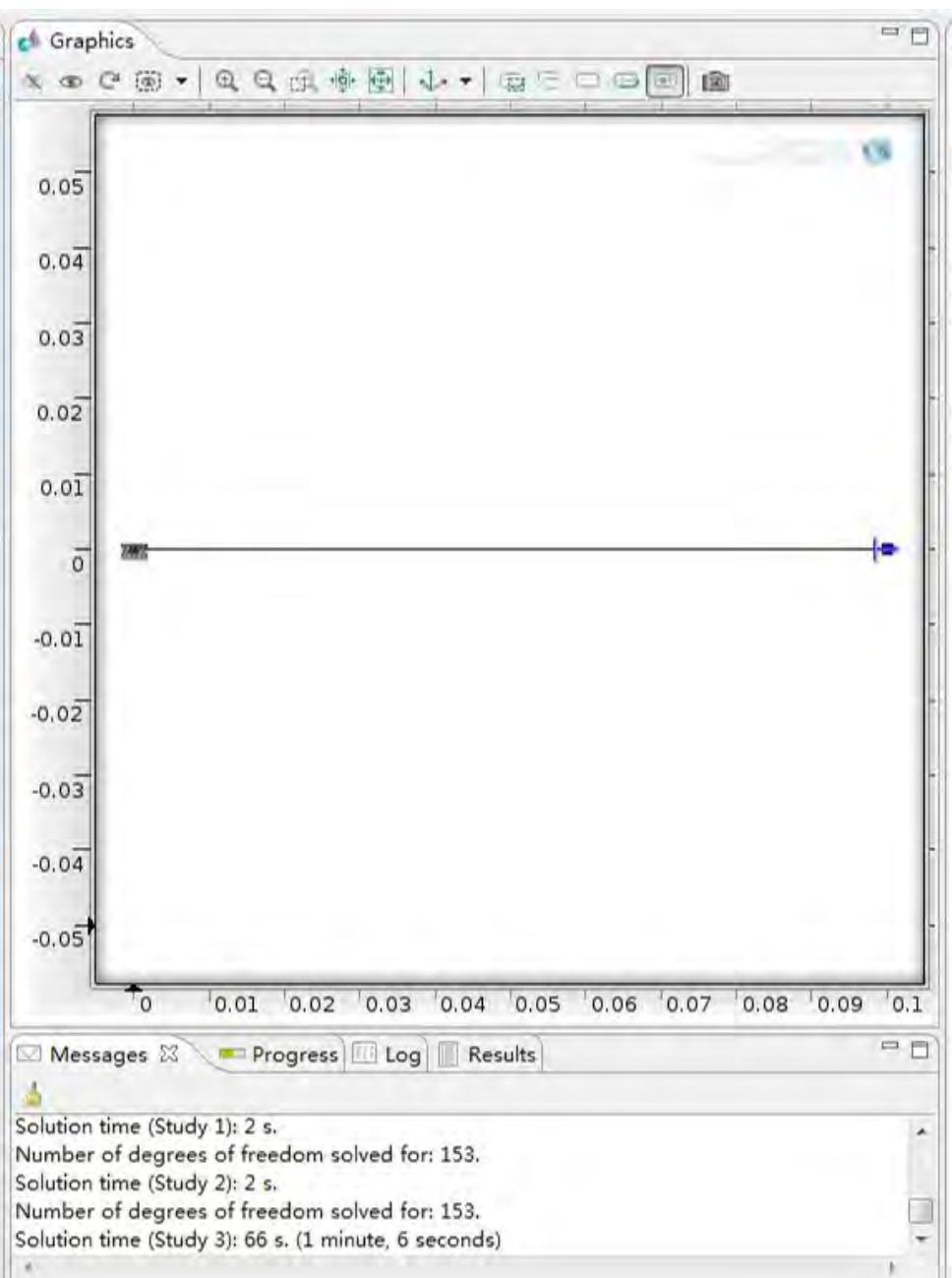
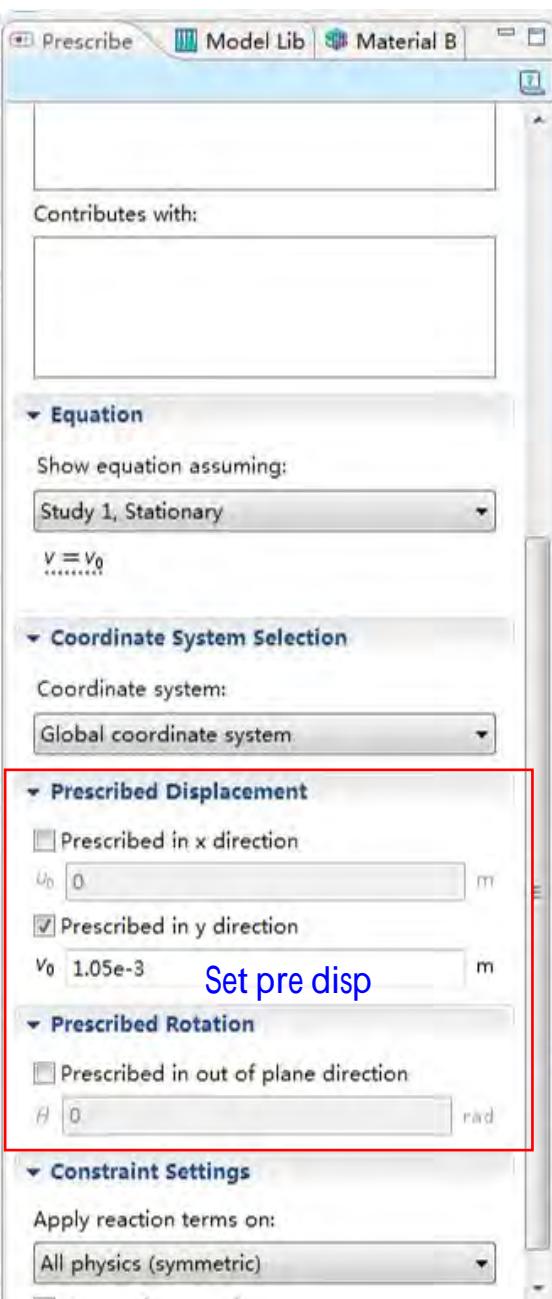
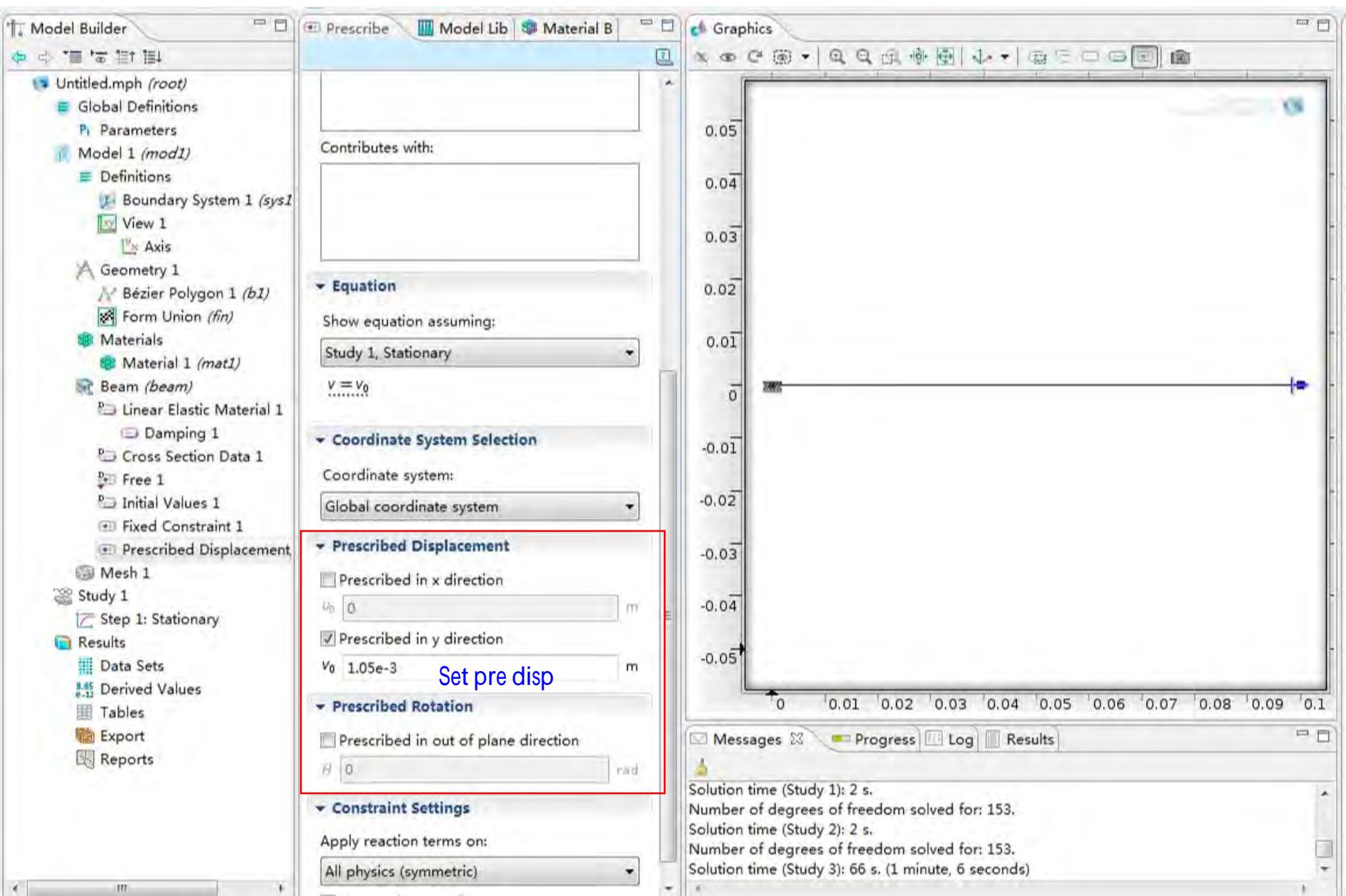


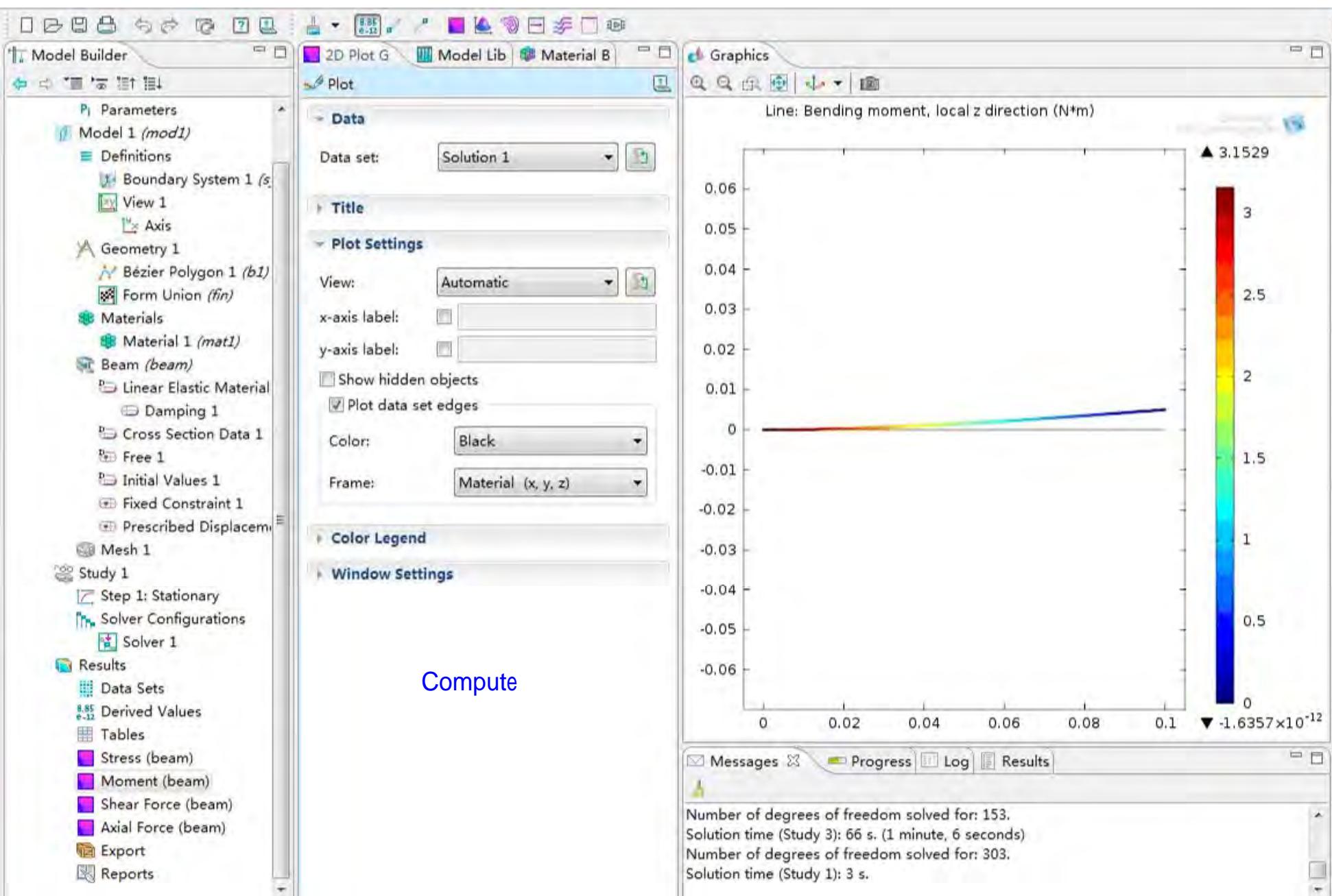
Set cross section

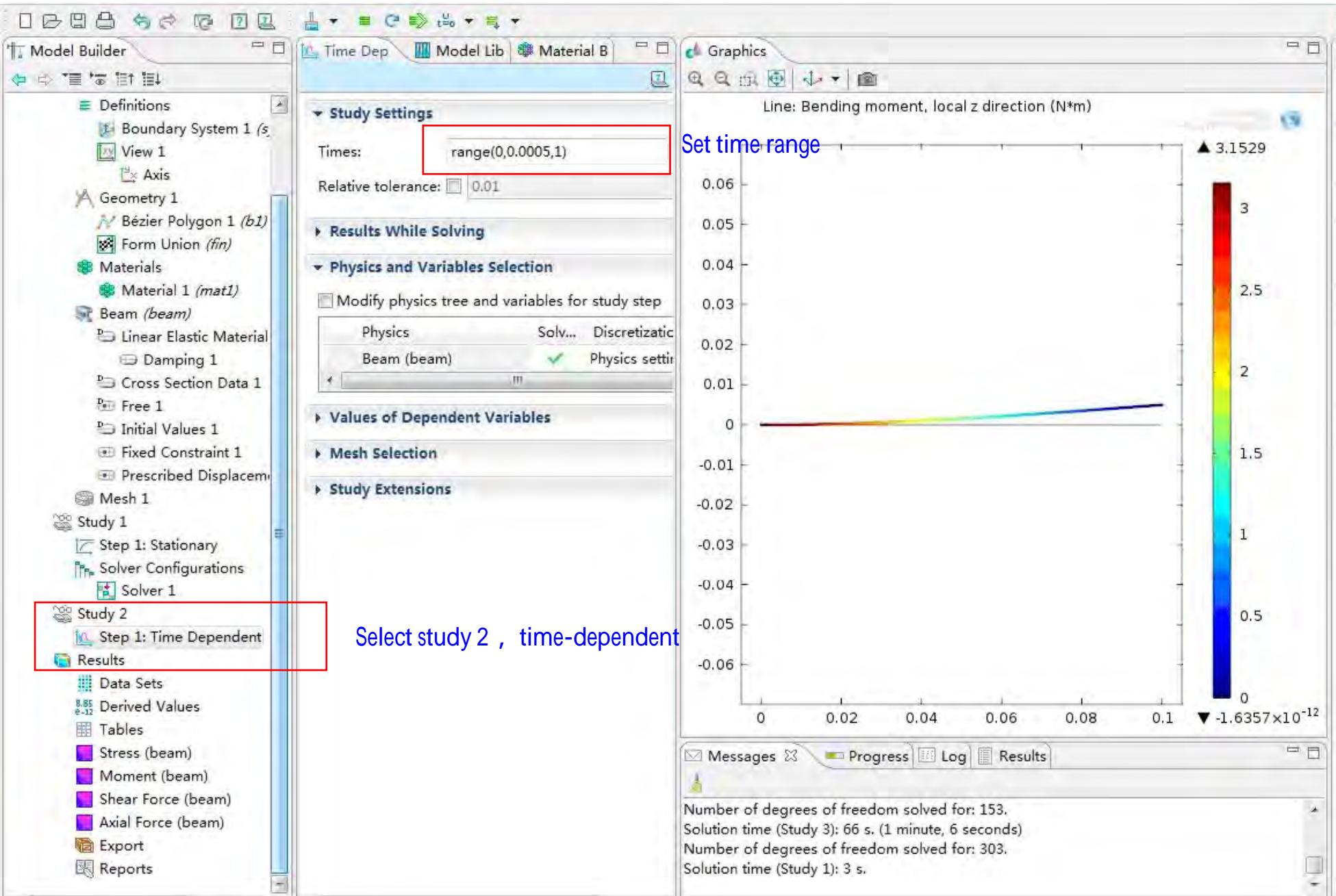


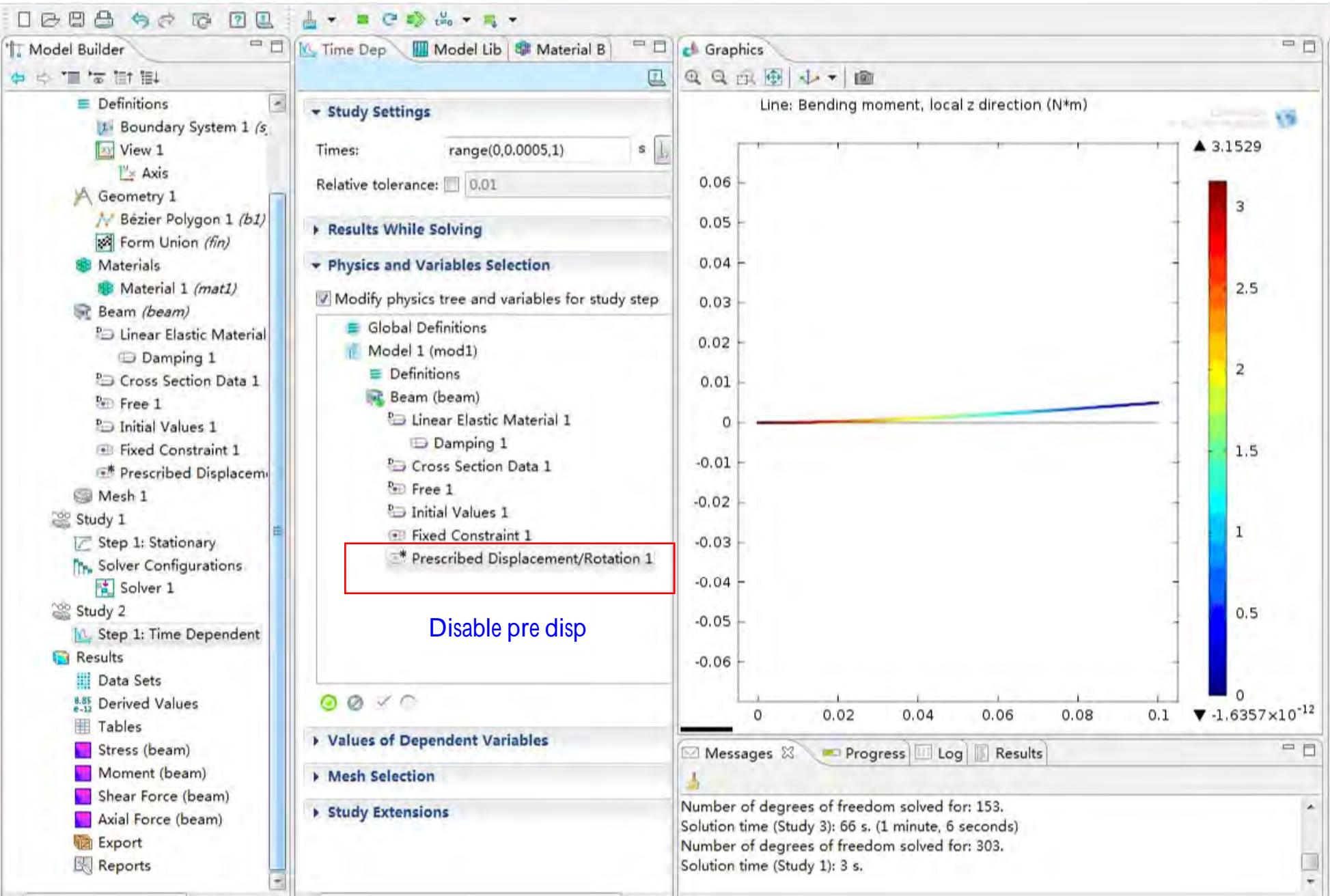
Messages X Progress Log Results

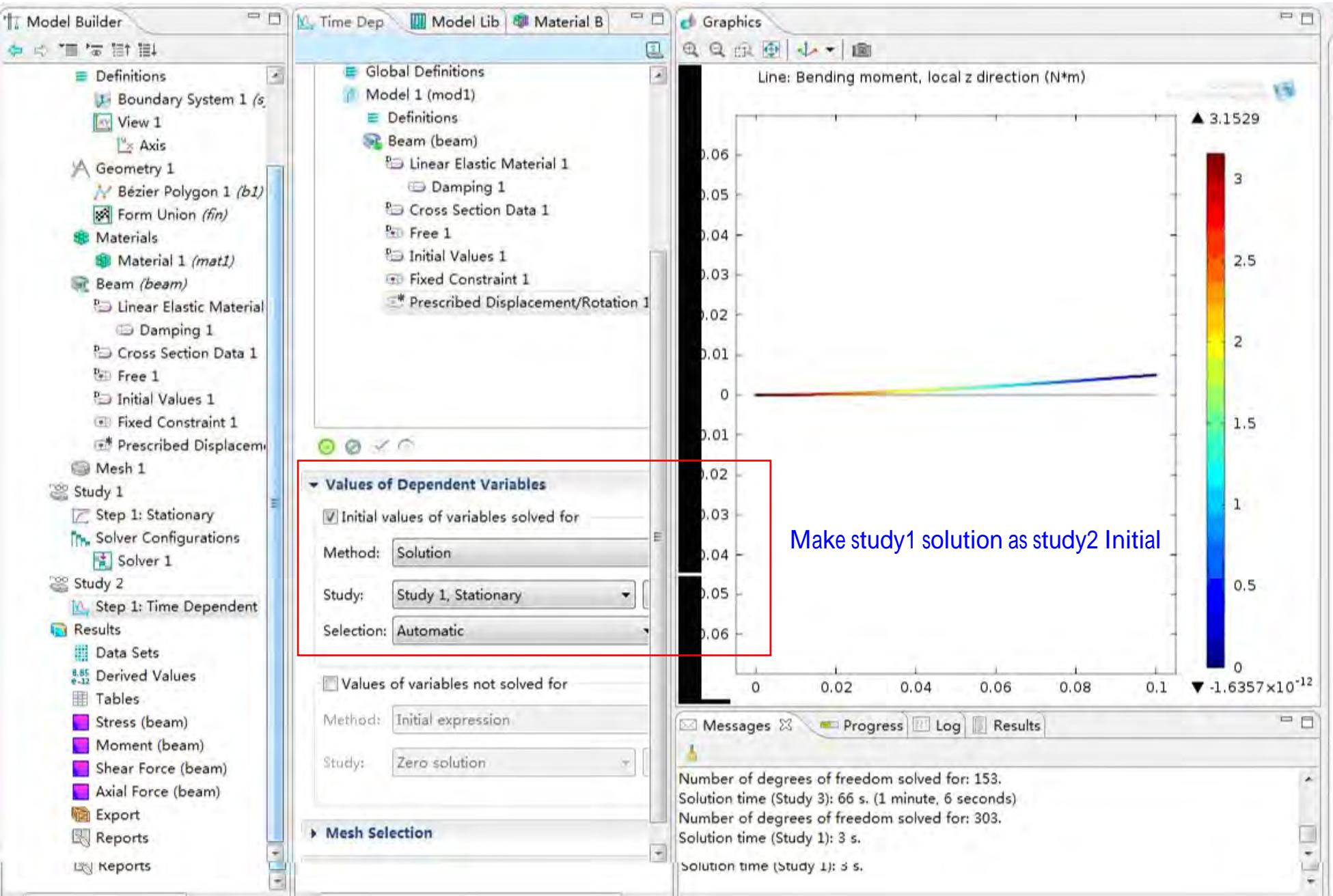
Solution time (Study 1): 2 s.
 Number of degrees of freedom solved for: 153.
 Solution time (Study 2): 2 s.
 Number of degrees of freedom solved for: 153.
 Solution time (Study 3): 66 s. (1 minute. 6 seconds)

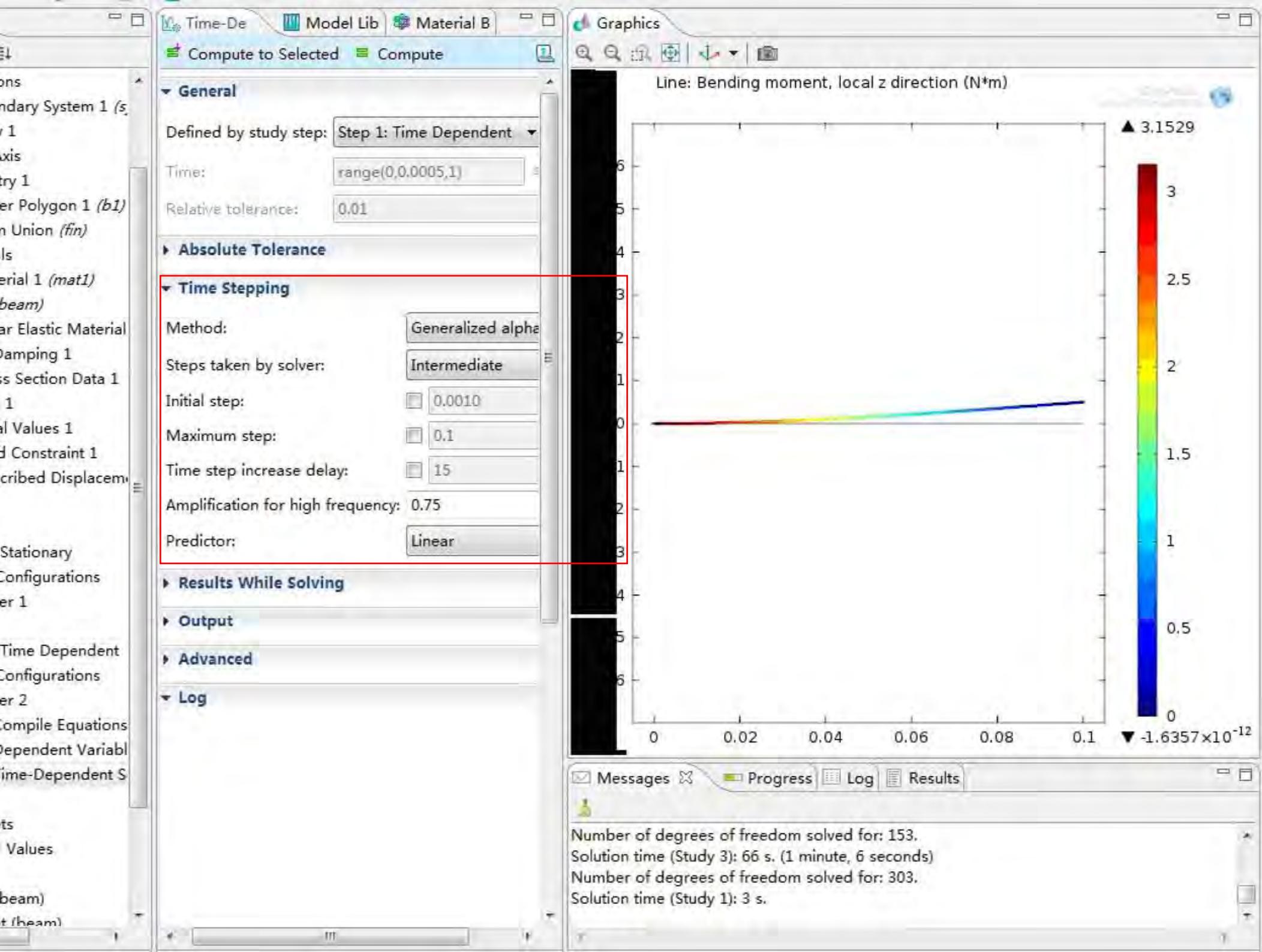


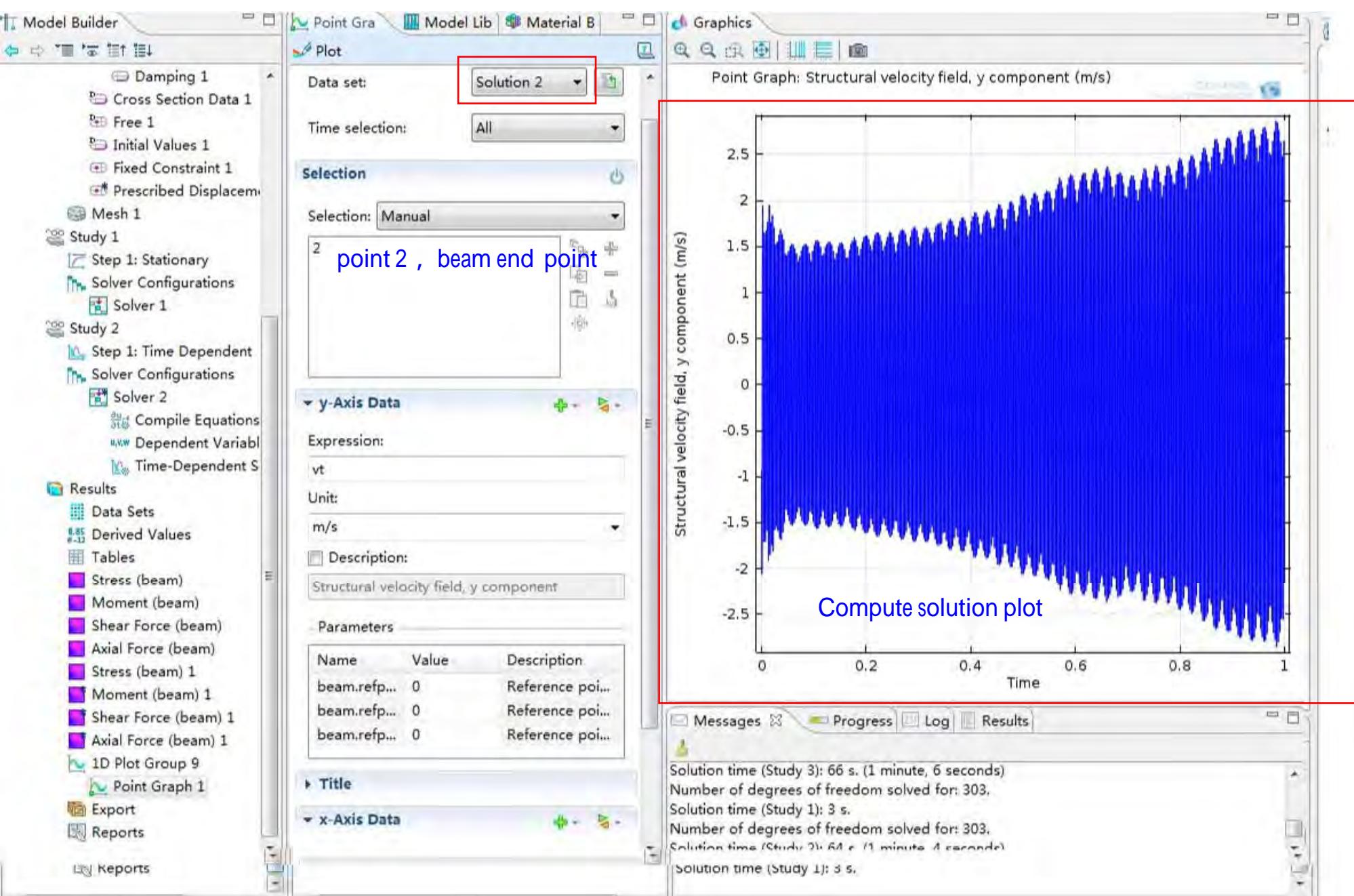


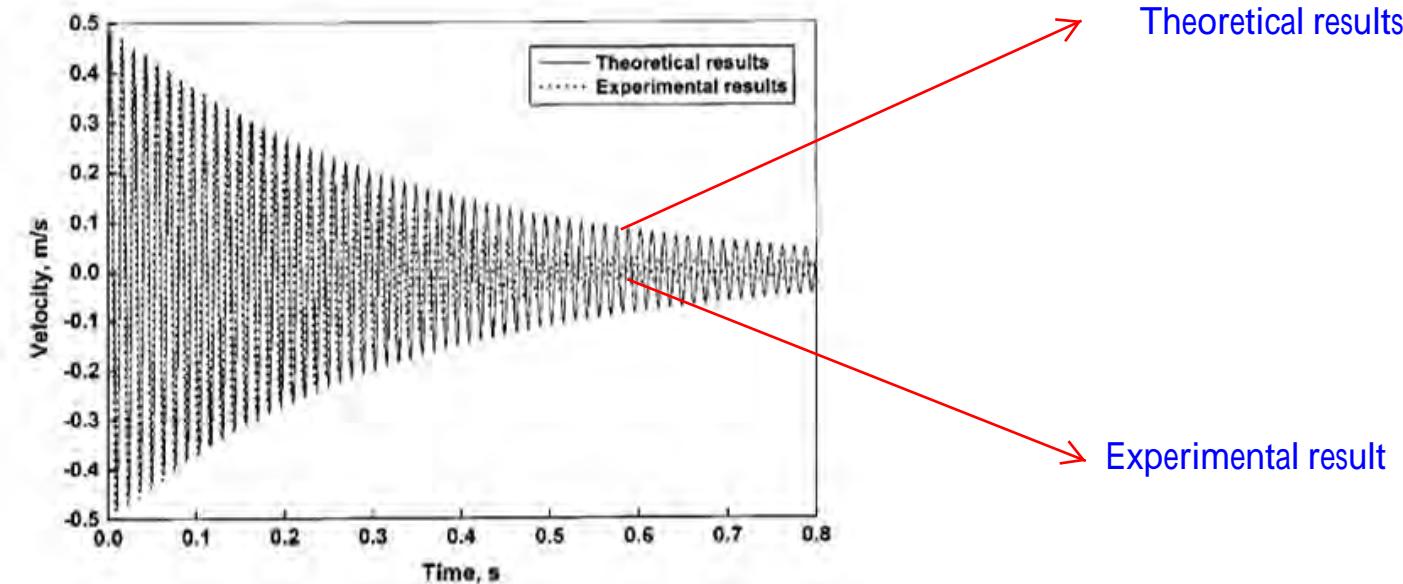












Theoretical results

Experimental result

WHY ?