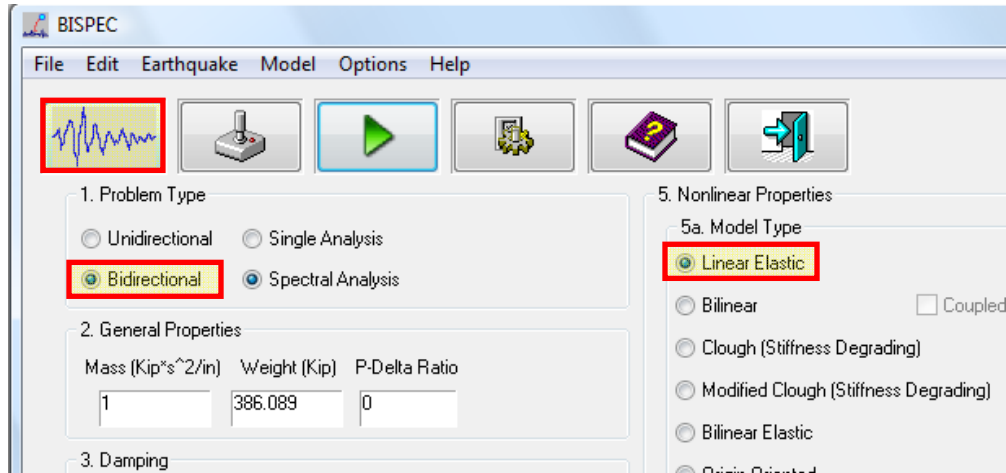
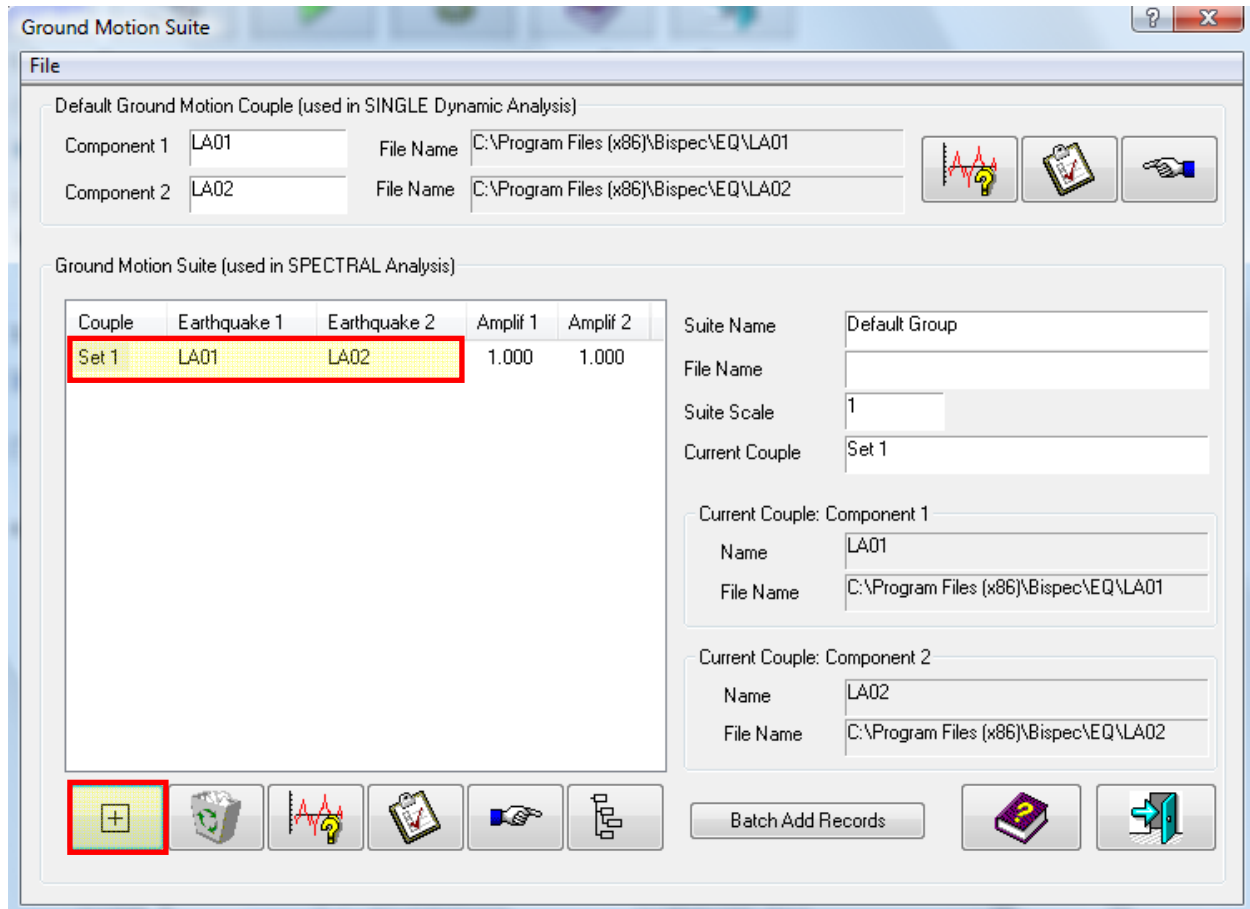


## How to compute maximum rotated linear spectra using Bispec?

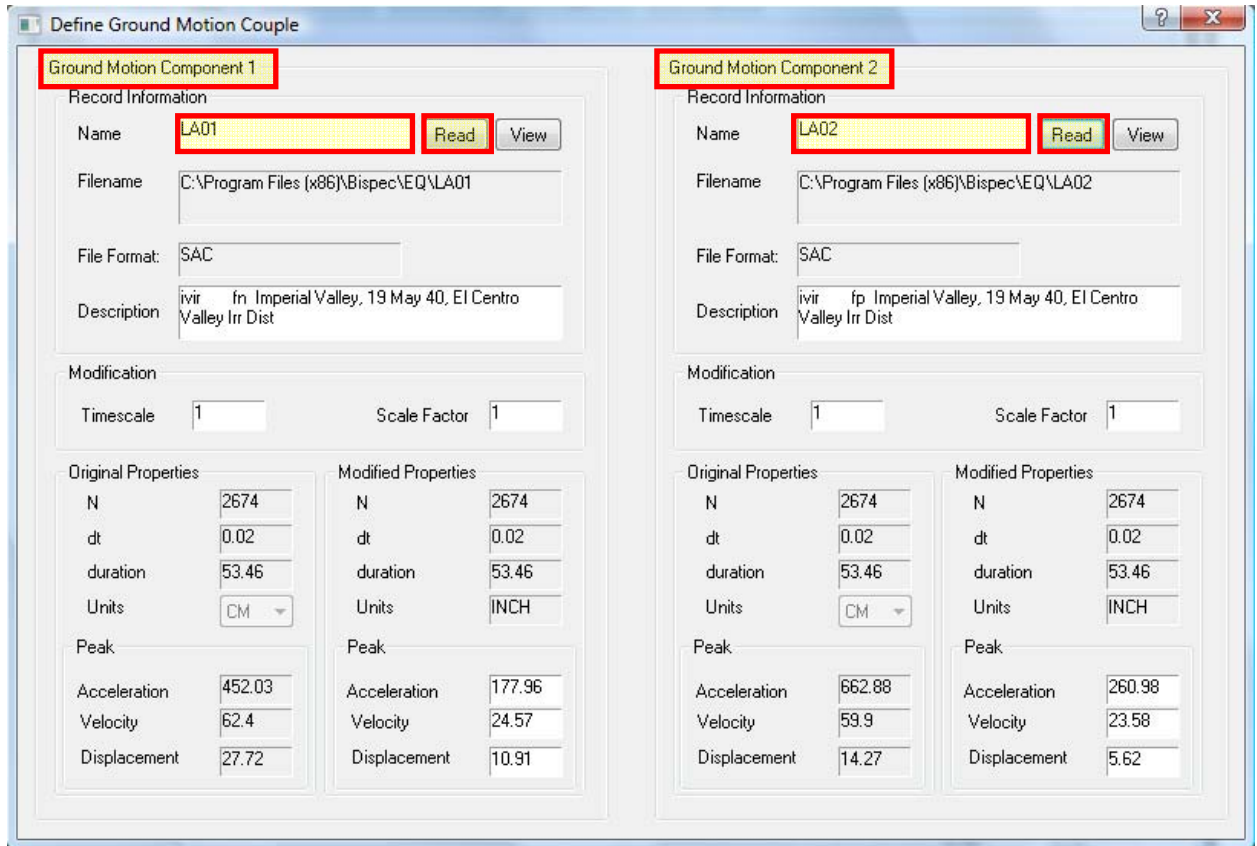
1. Under “Problem Type”, select “Bidirectional”
2. Under “Nonlinear Properties”, select “Linear Elastic”
3. Click on the “Define Ground Motions” button on the upper left



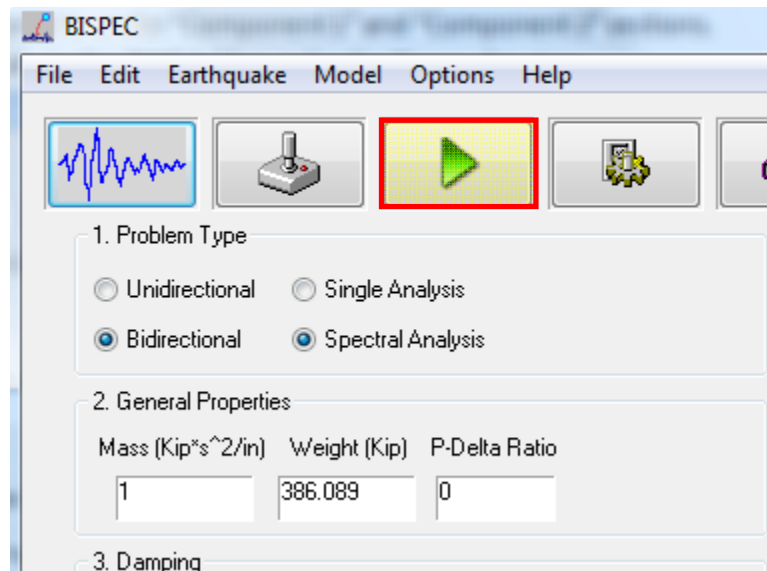
4. On the “Ground Motion” window, click the “Add new couple” button



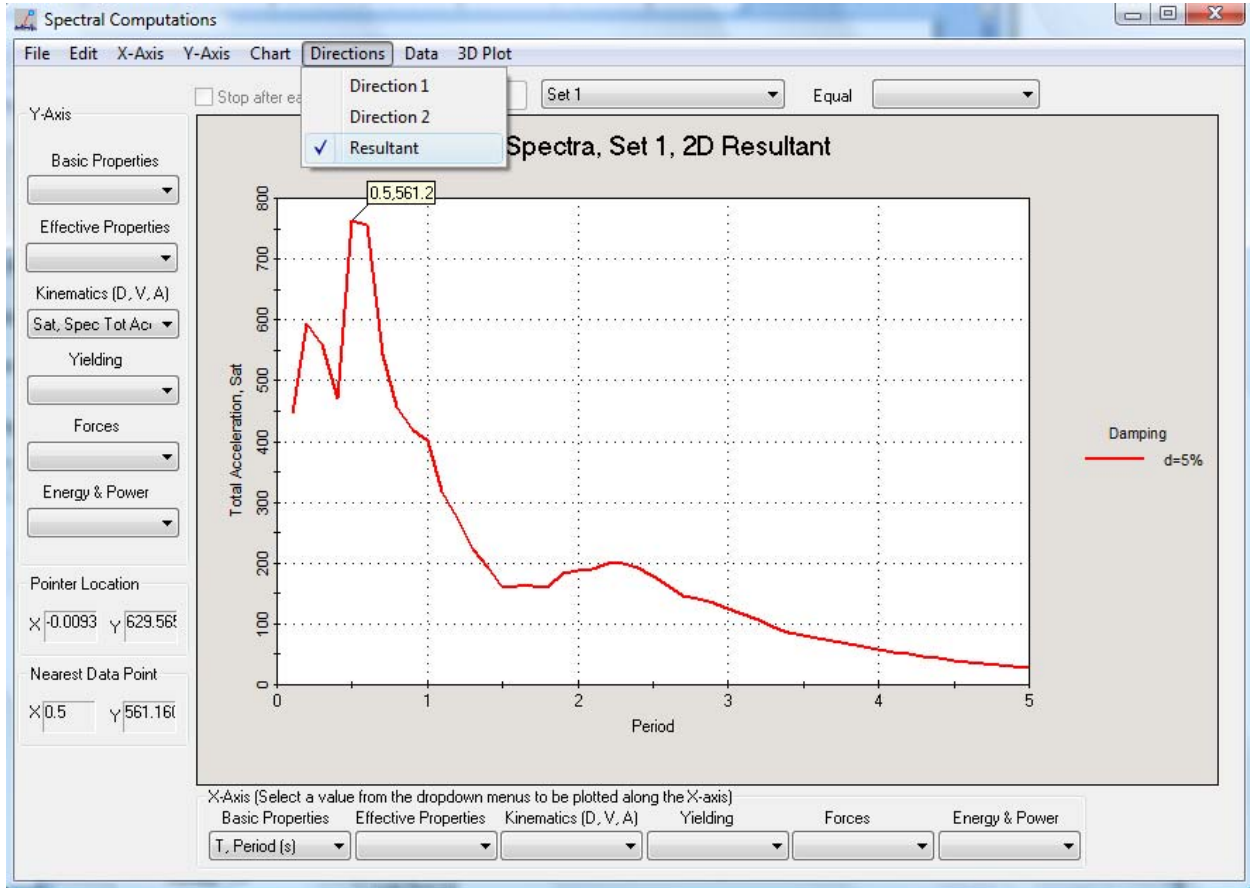
5. Use the “Read” button, and navigate to the “EQ” folder under the Bispec directory. Add the “LA01” and “LA02” components under “Component 1” and “Component 2” sections.



6. Go back to the main screen and hit the analysis button to perform the bidirectional spectral analysis.



- On the "Spectral Analysis" window, select "T, Period" for the horizontal axis (default), and "Sat, Spec Tot Acc" for the vertical axis. From the "Directions" menu, you can choose to view the Spectral Acceleration for Directions 1 or 2 (components 1 and 2), or for the "Resultant" which is equivalent to the maximum rotated spectral acceleration.



- The figure below shows a comparison between the spectral accelerations in directions 1 & 2 and the maximum rotated spectral acceleration (Resultant).

