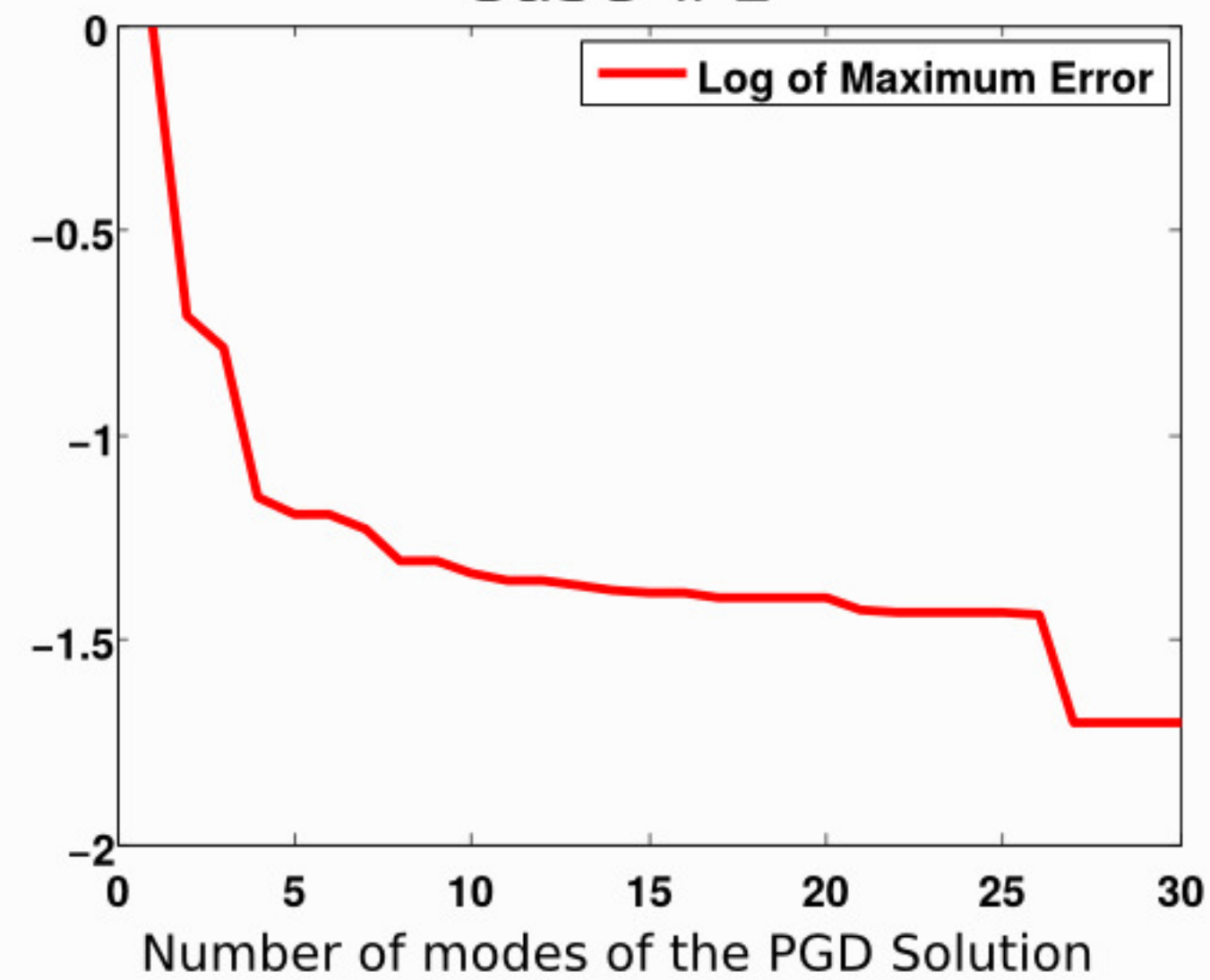
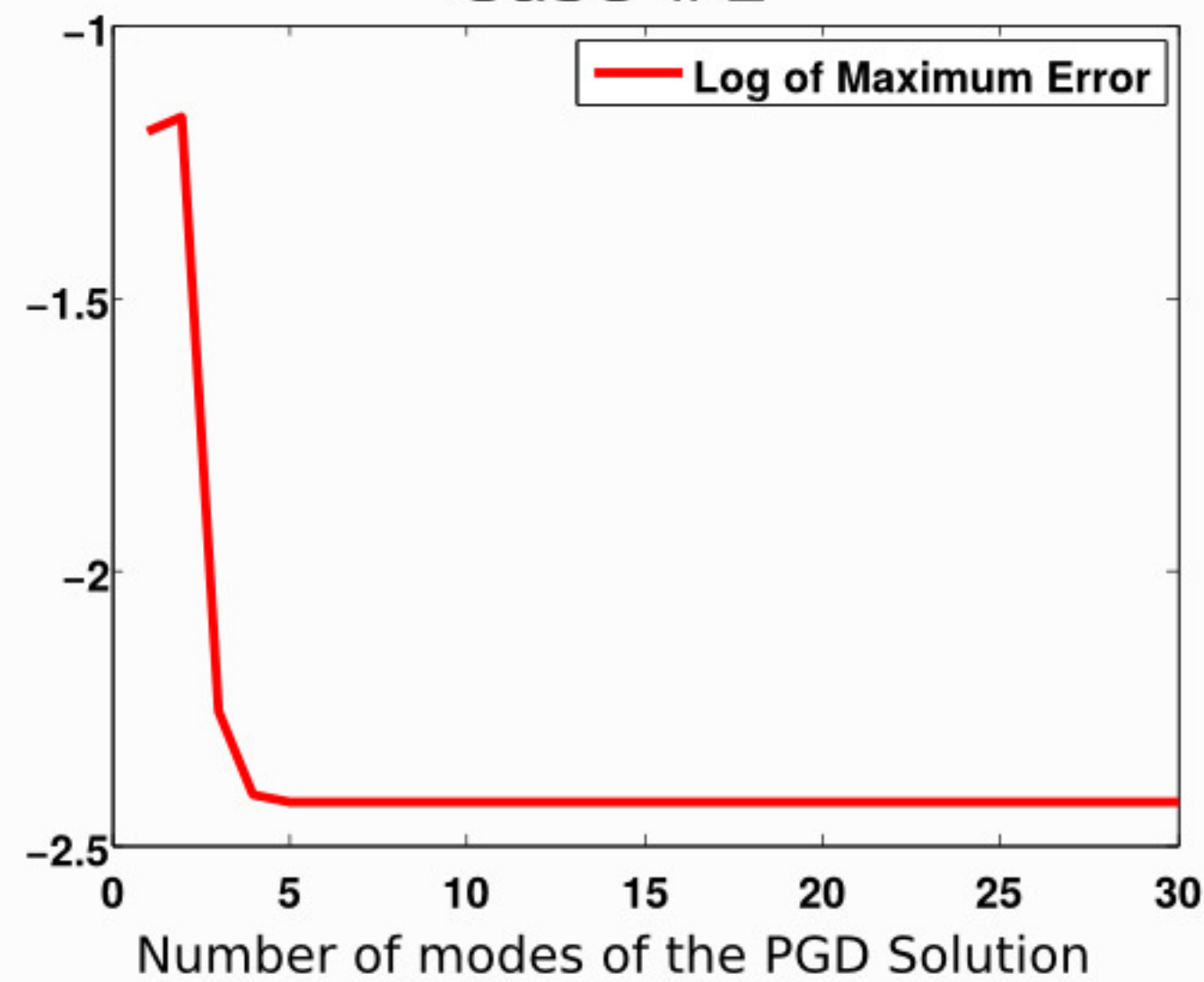


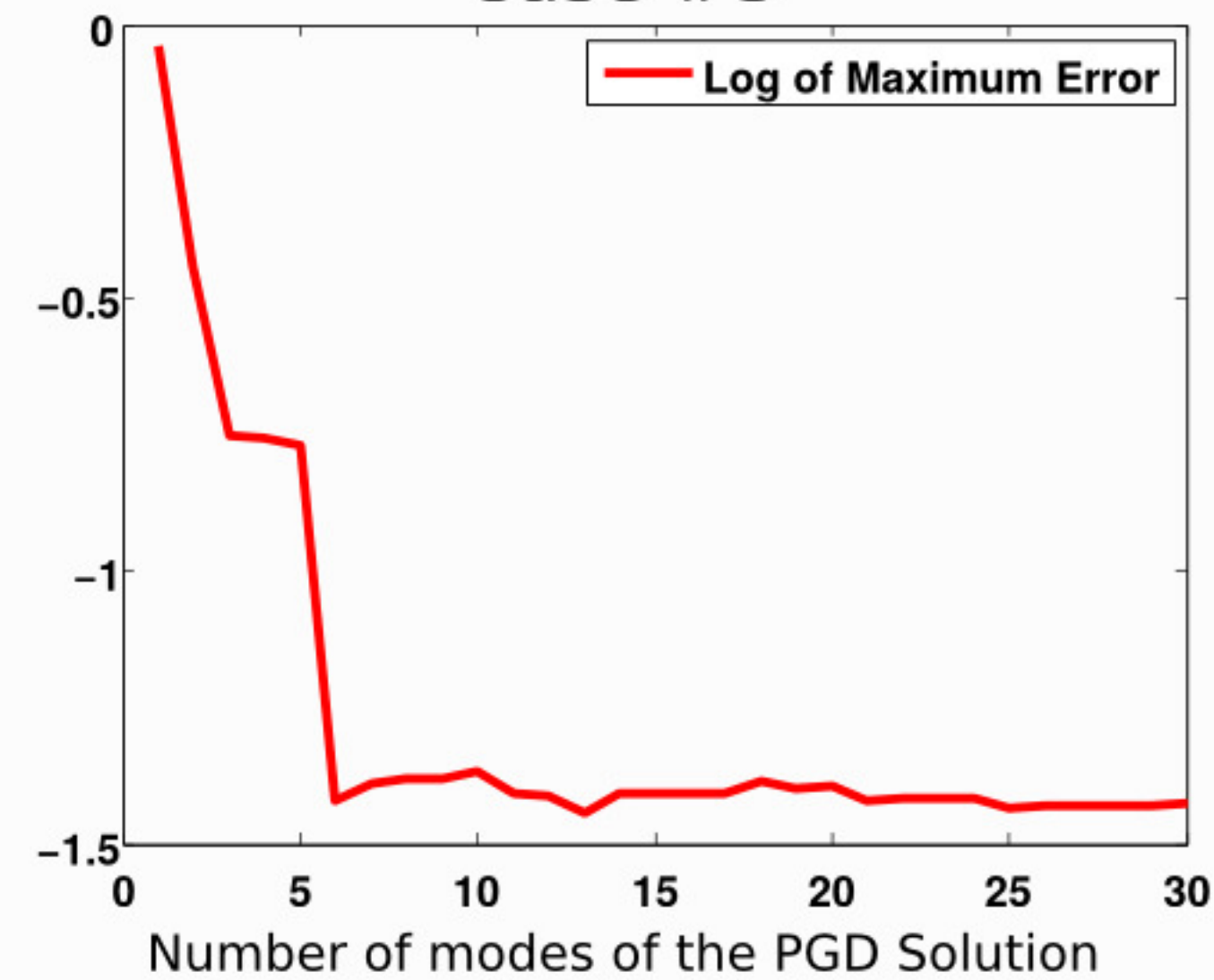
Case #1



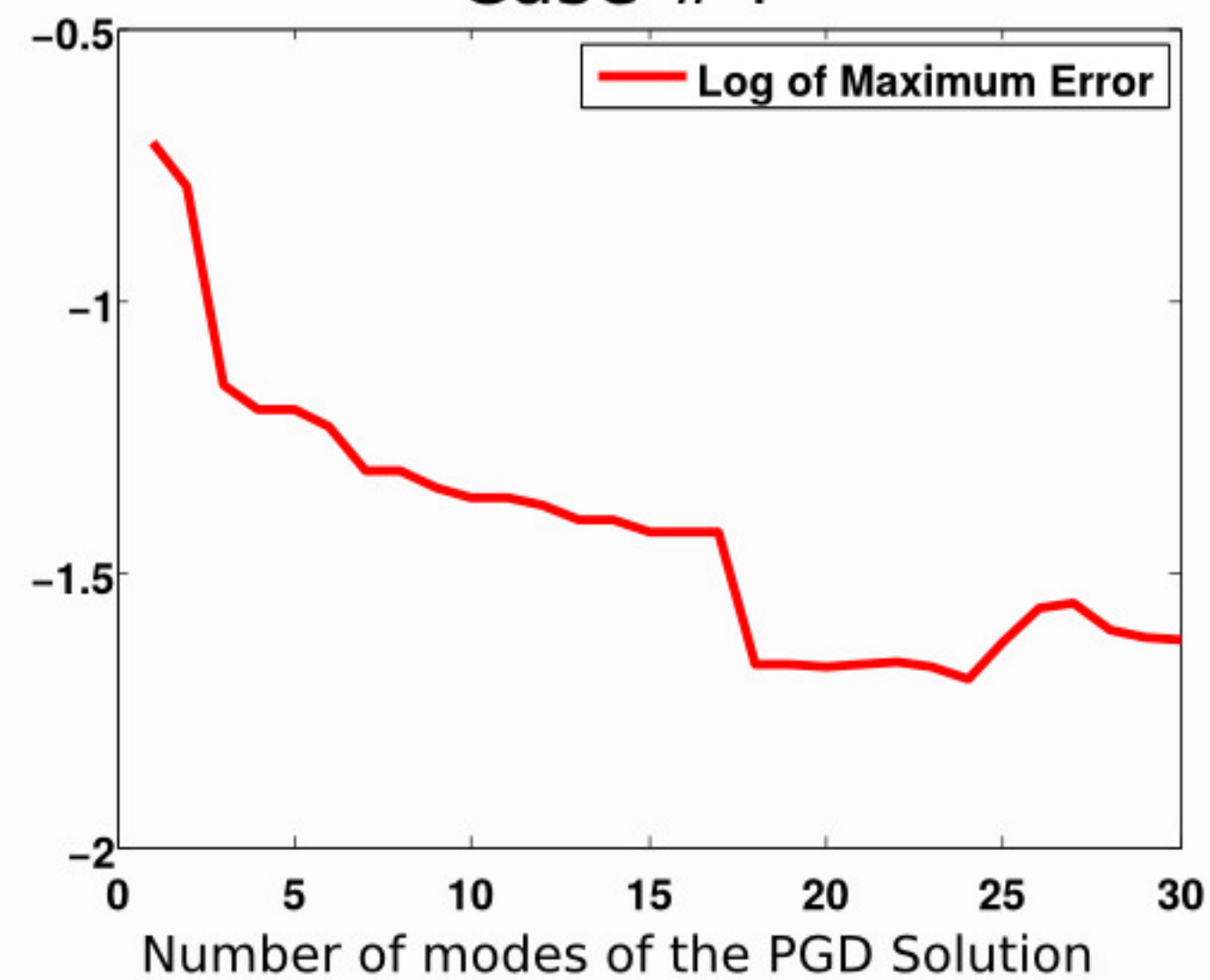
Case #2



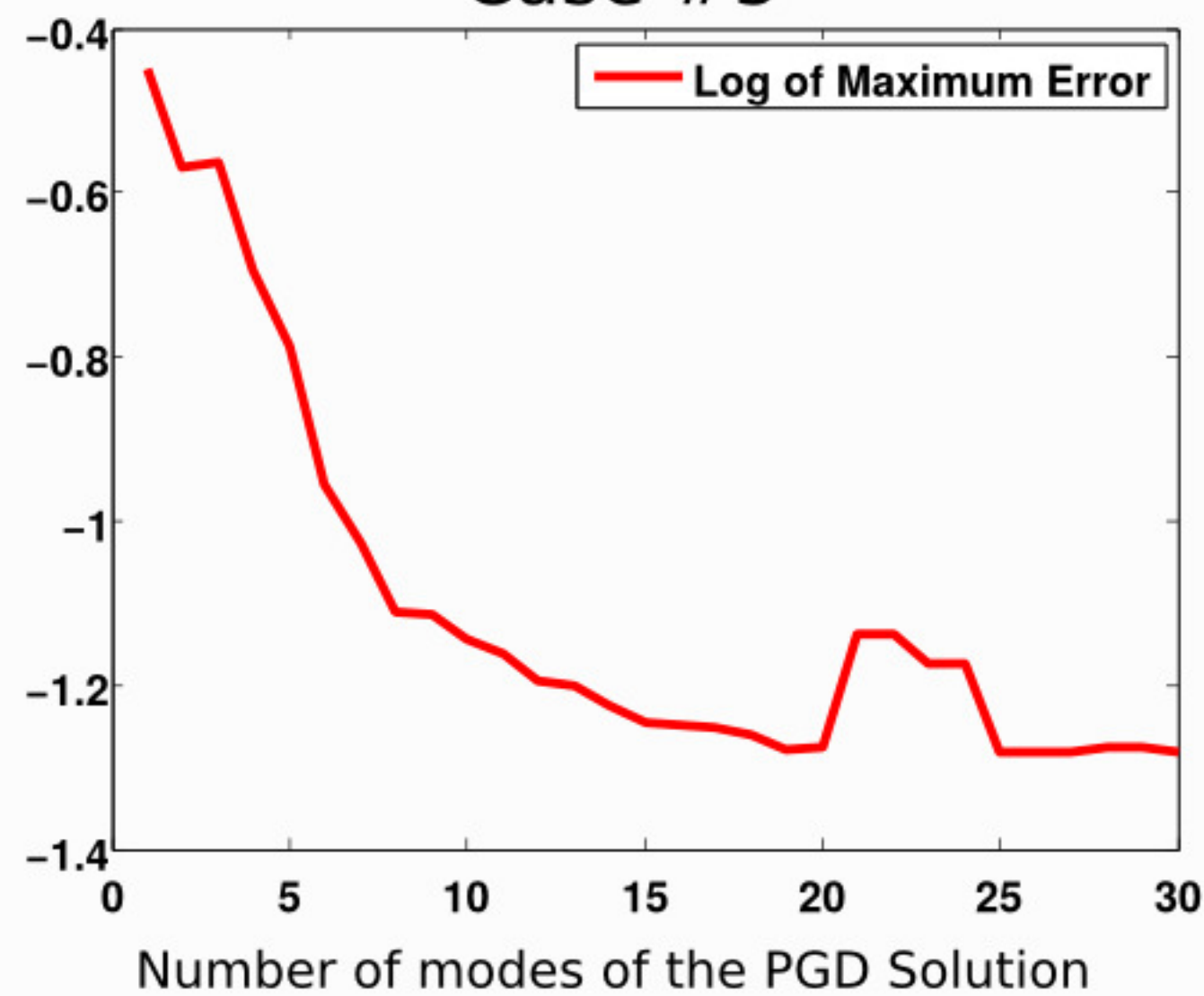
Case #3



Case #4



Case #5



- 1 Initial displacement
- 2 Sinusoidal force at the end of the beam
- 3 Sinusoidal displacement in the middle of the beam
- 4 Heaviside step force at the end of the beam
- 5 Heaviside step force at the end of the beam then relaxed