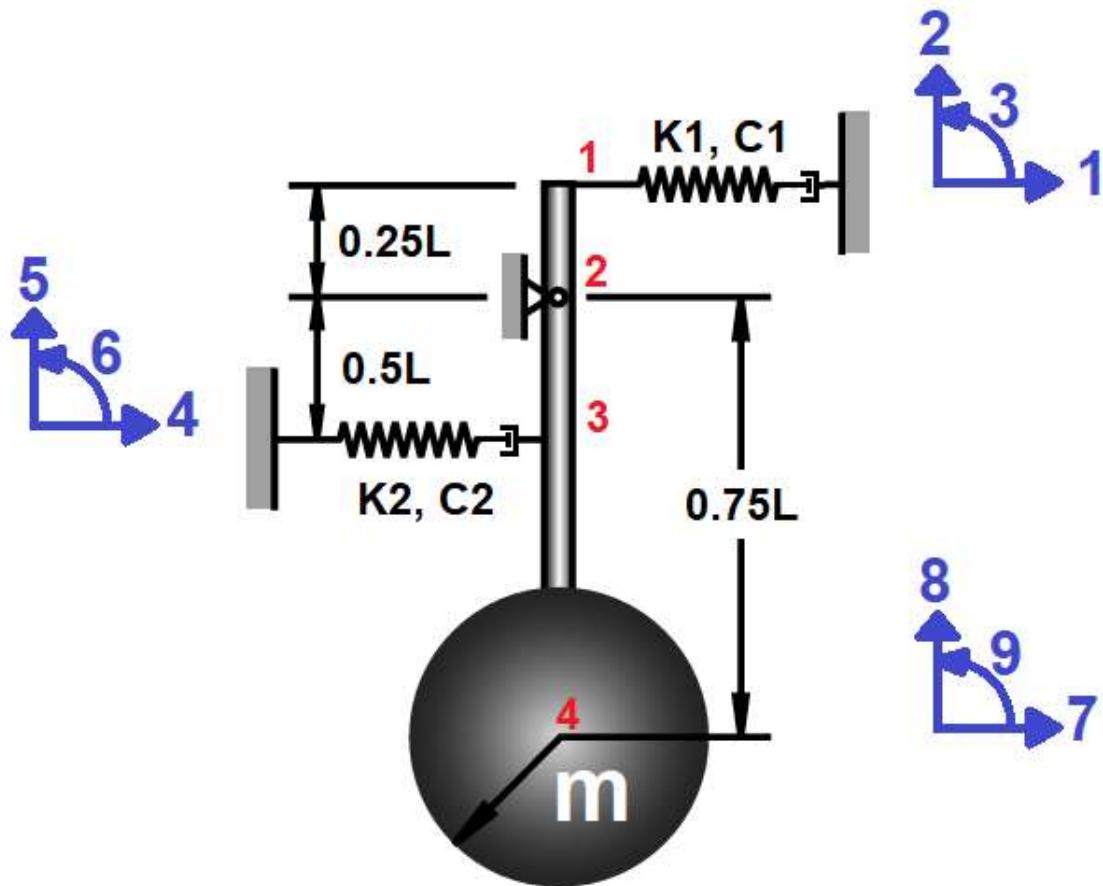


>> IN THE NAME OF ALLAH, THE MOST GRACIOUS, THE MOST MERCIFUL <<

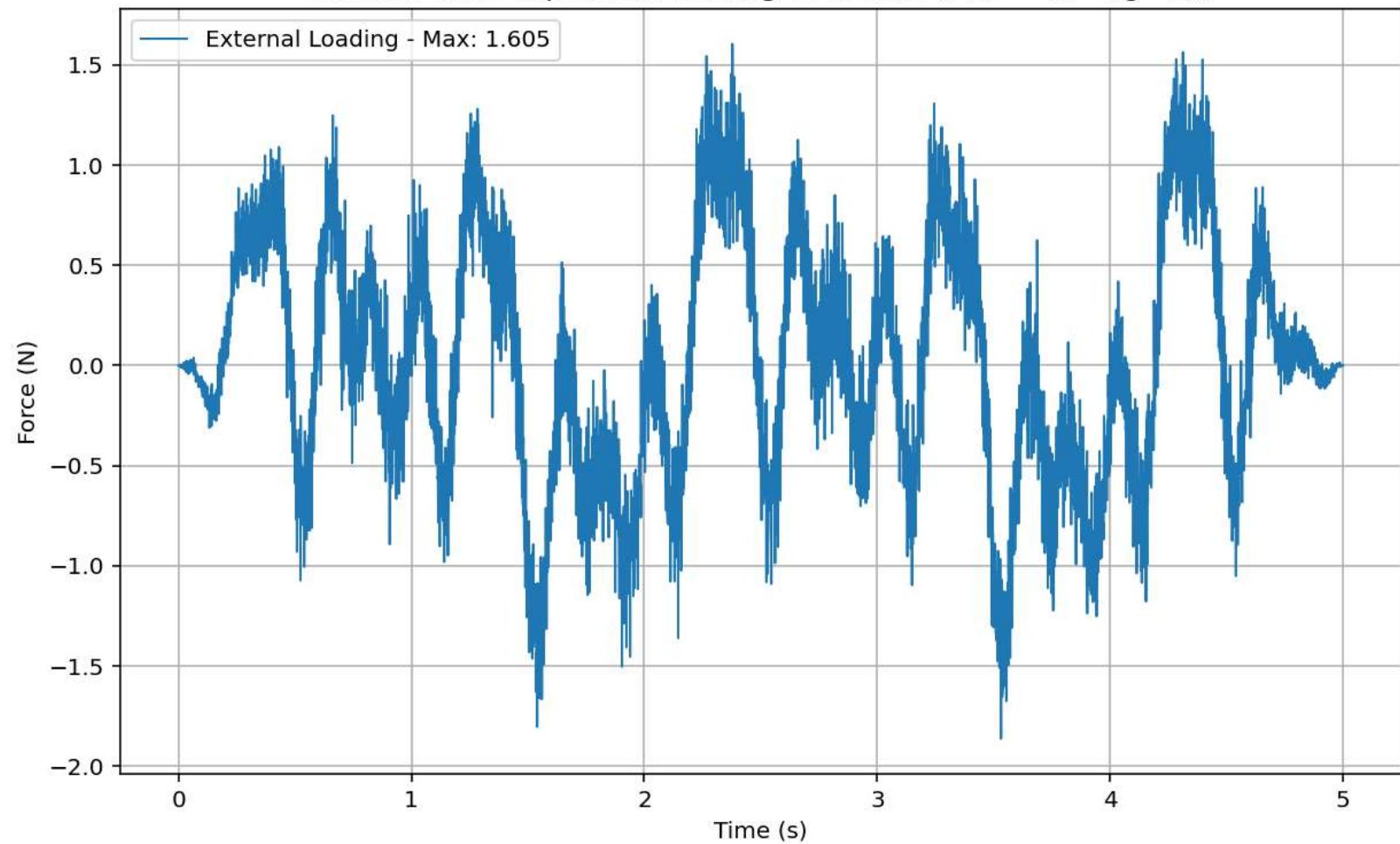
MODELING OF PENDULUM MDOF STRUCTURE USING OPENSEES

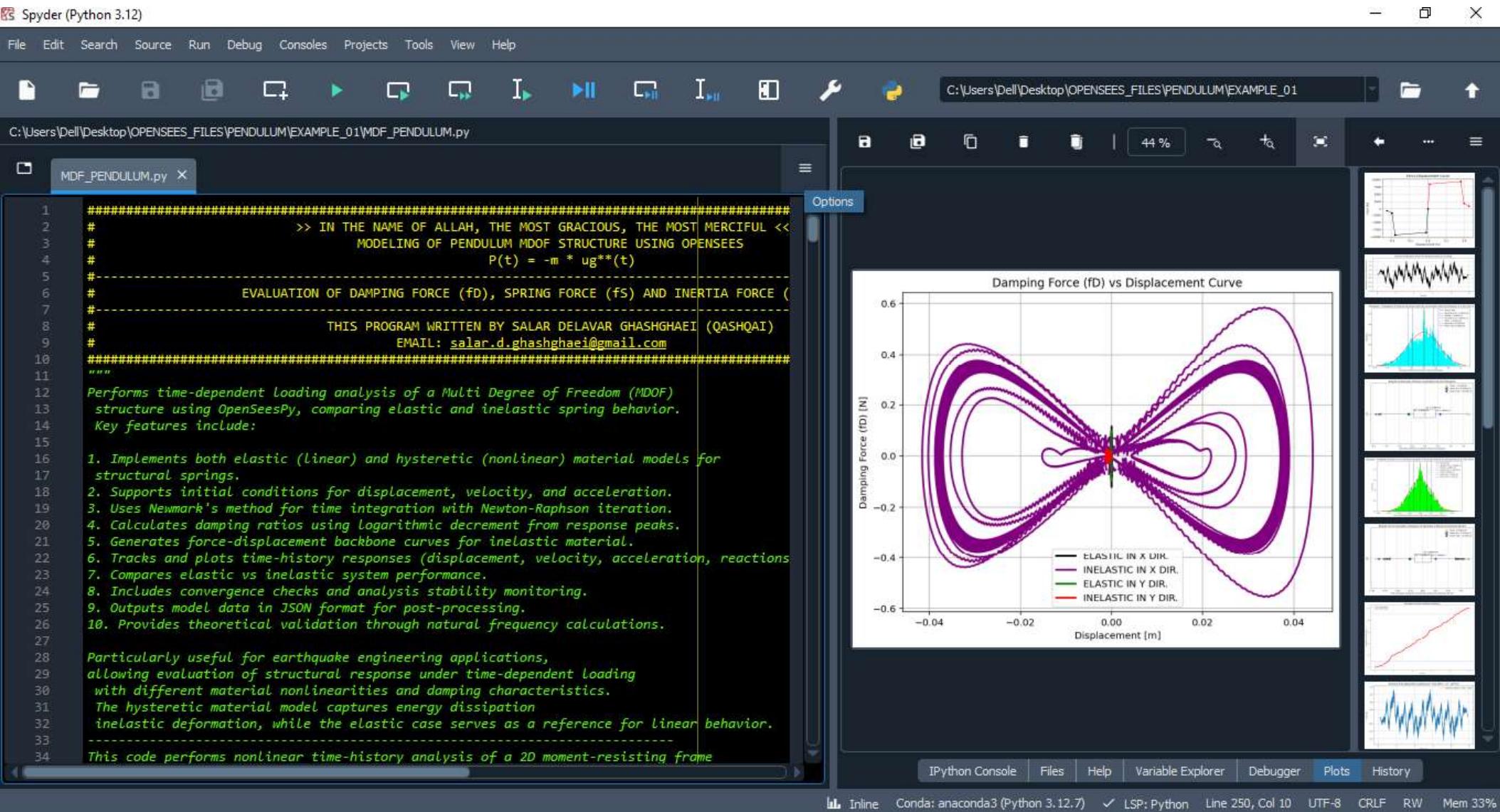
WRITTEN BY SALAR DELAVAR GHASHGHAEI (QASHQAI)

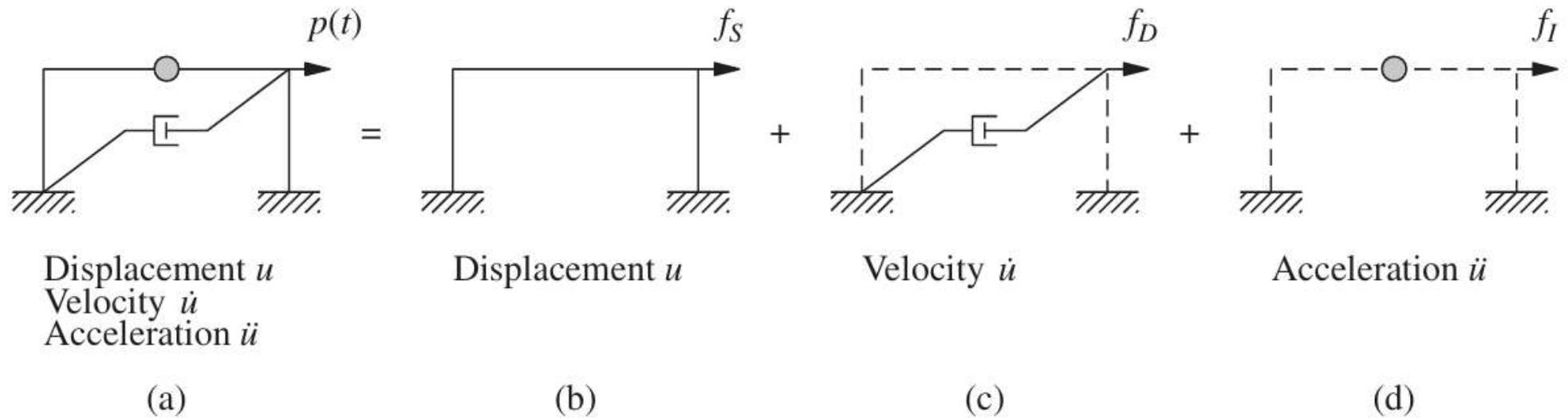


$$P(t) = -m\ddot{u}_g(t)$$

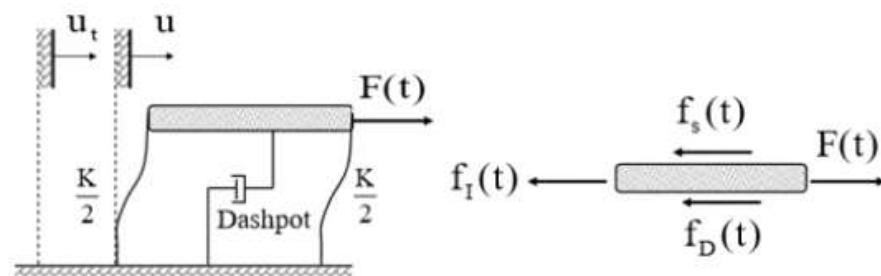
External Time-dependent Loading Over Time [$P(t) = -m * ug^{**}(t)$]



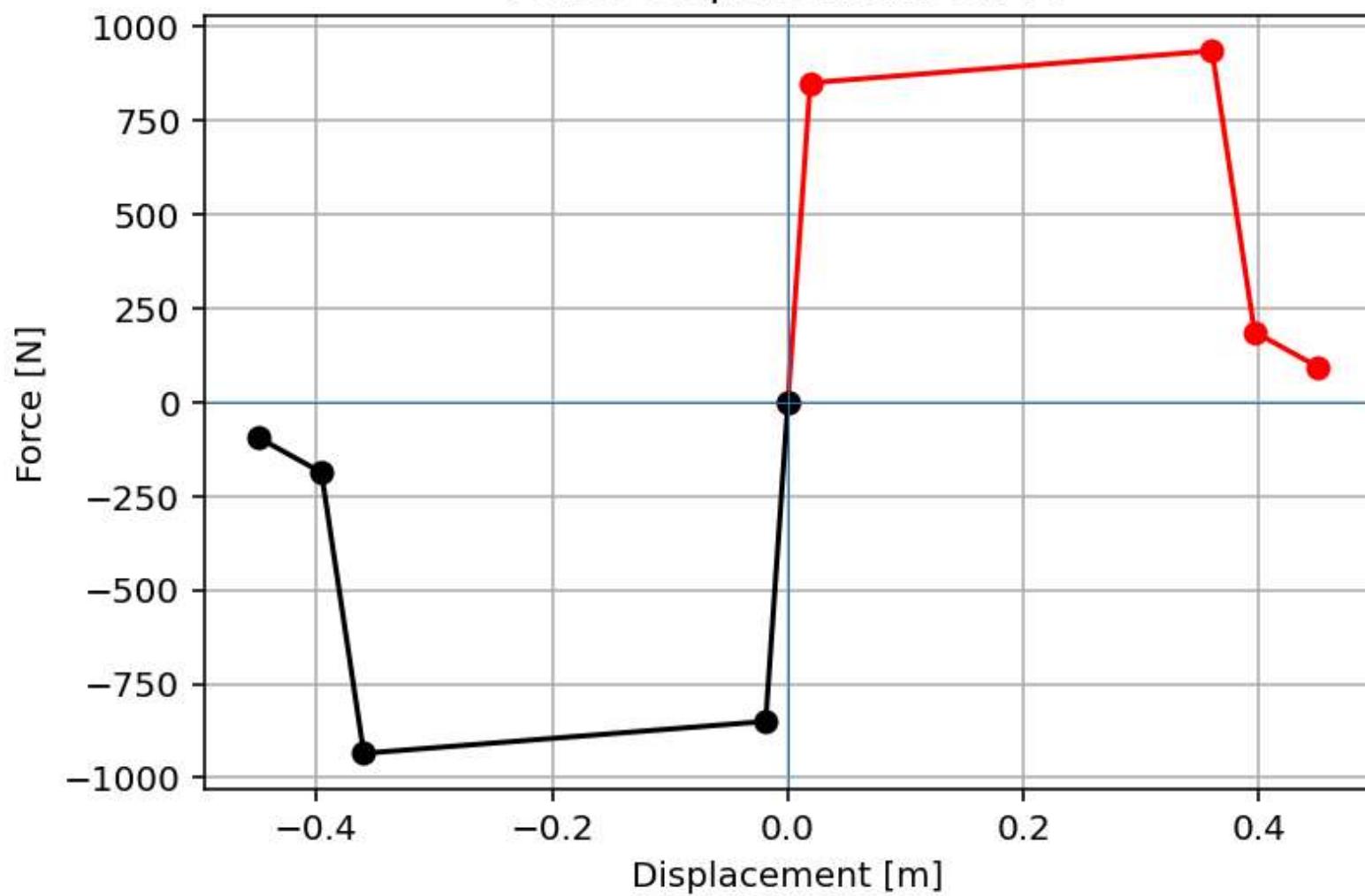


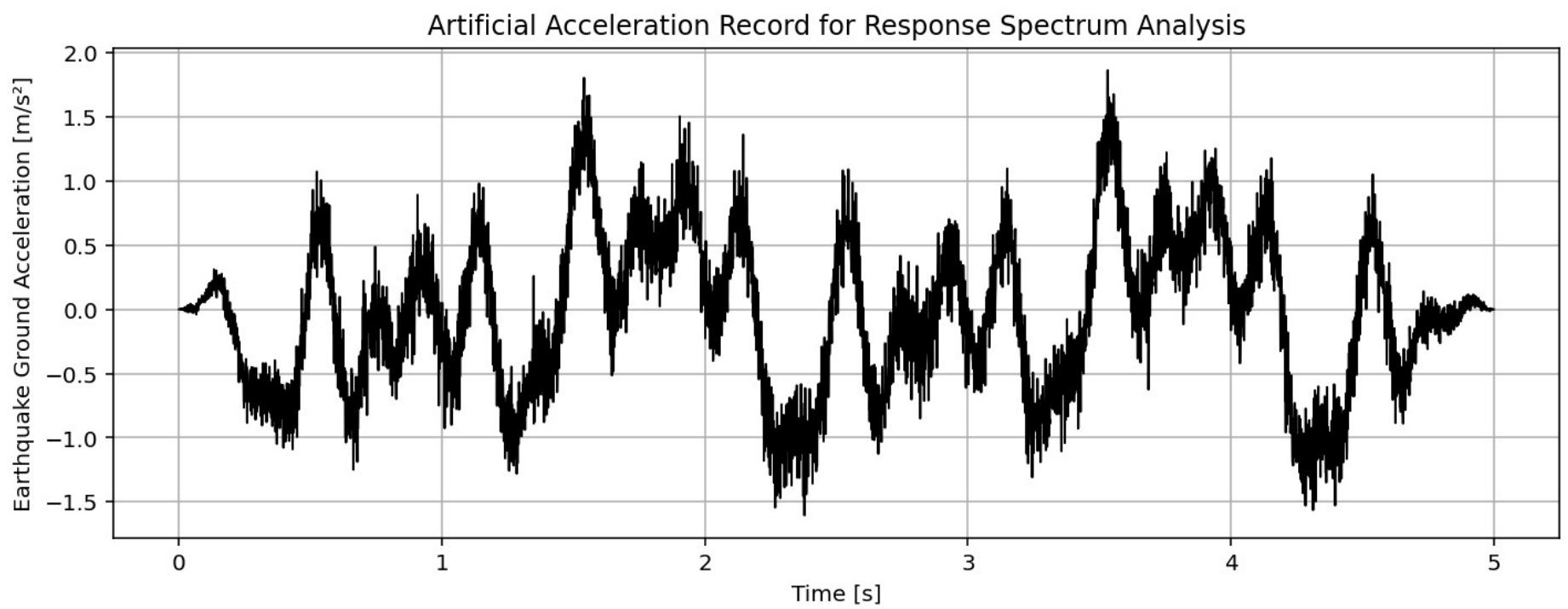


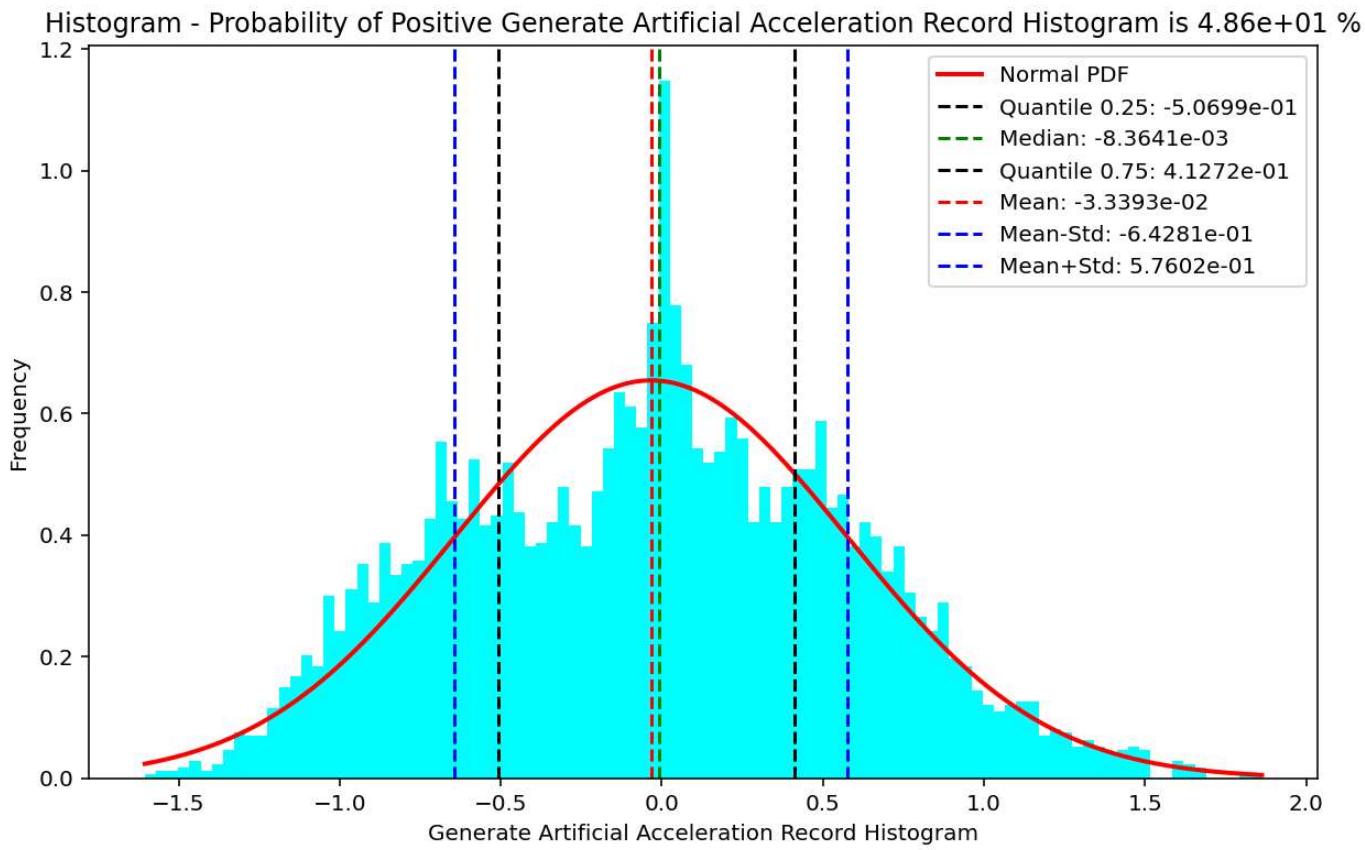
(a) System; (b) stiffness component; (c) damping component; (d) mass component.

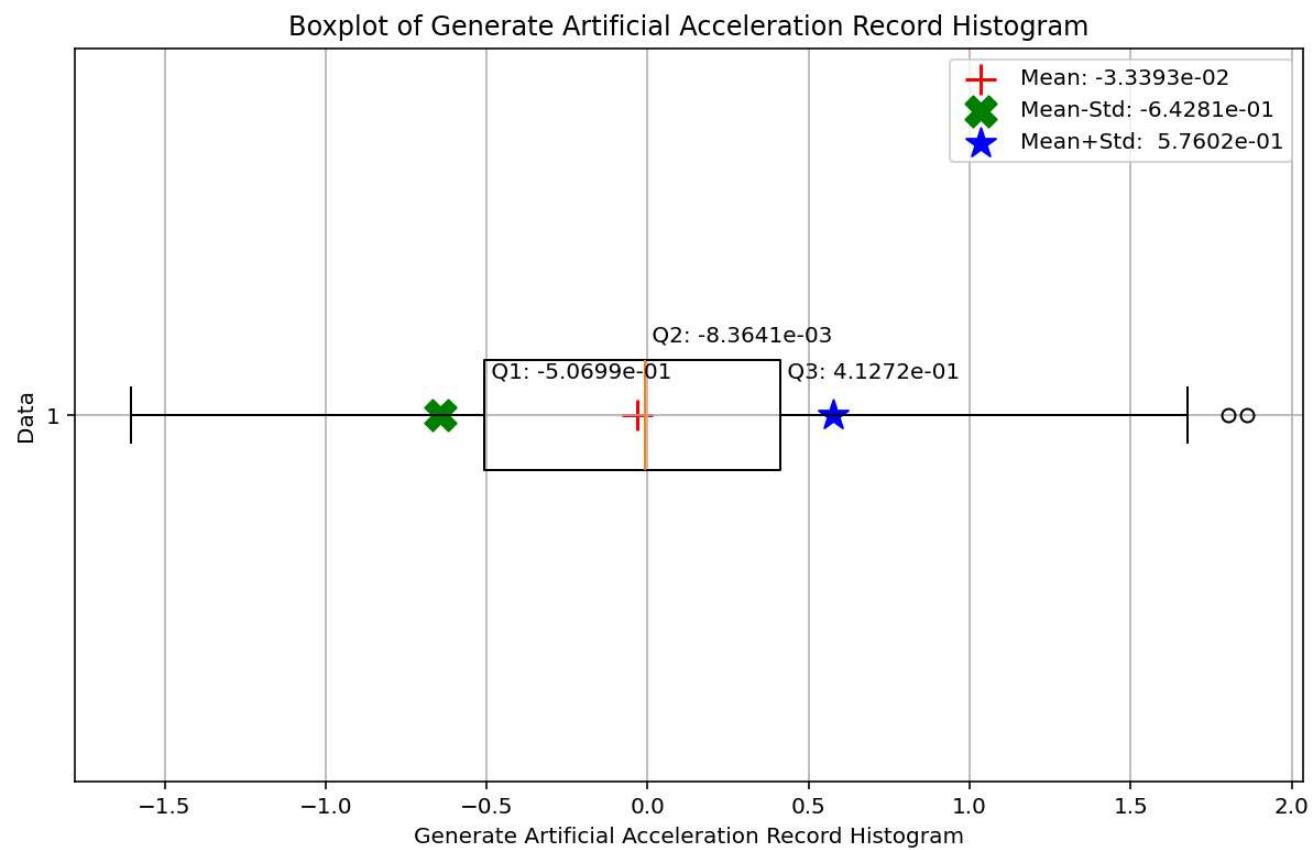


Force-Displacement Curve

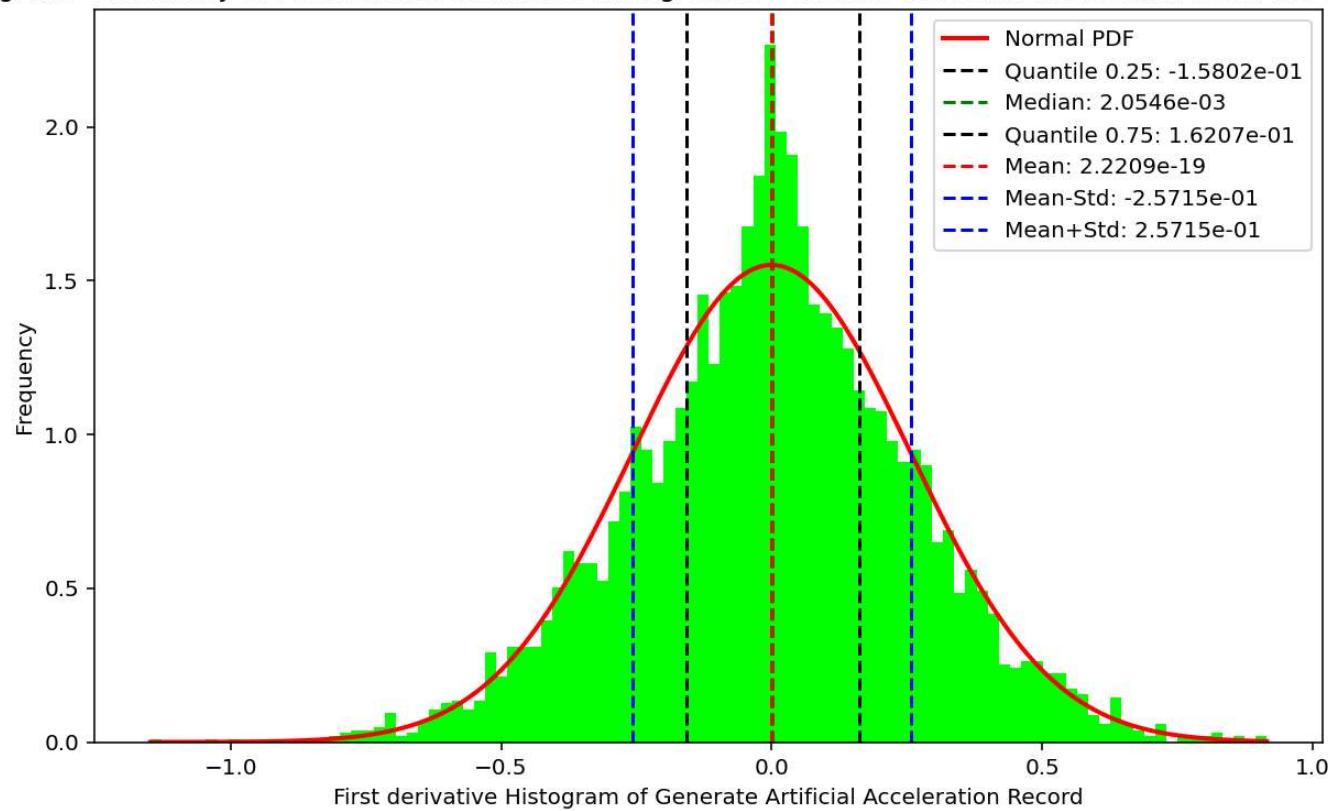








Histogram - Probability of Positive First derivative Histogram of Generate Artificial Acceleration Record is 5.07e+01 %



Boxplot of First derivative Histogram of Generate Artificial Acceleration Record

