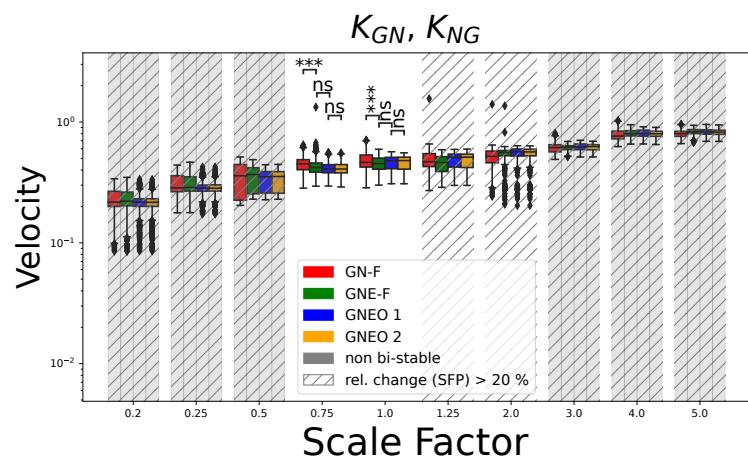
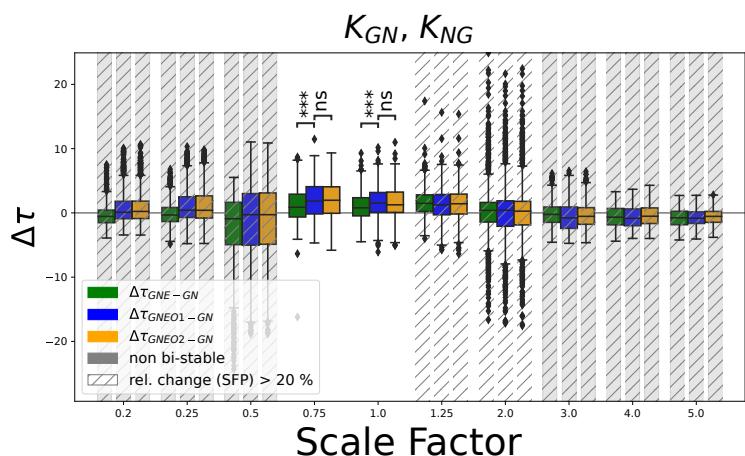
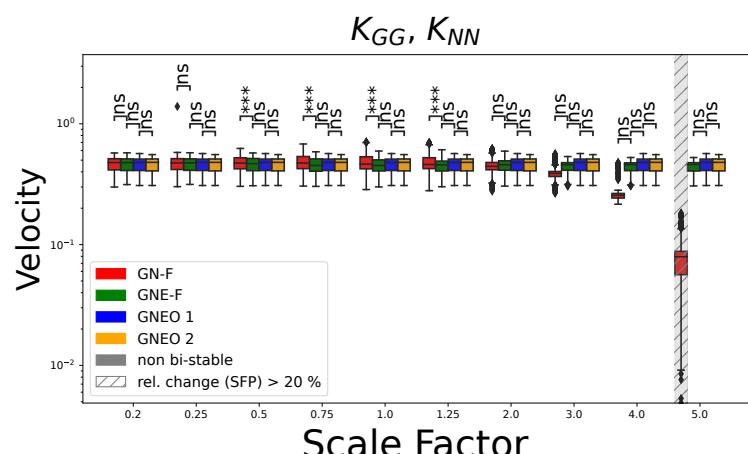
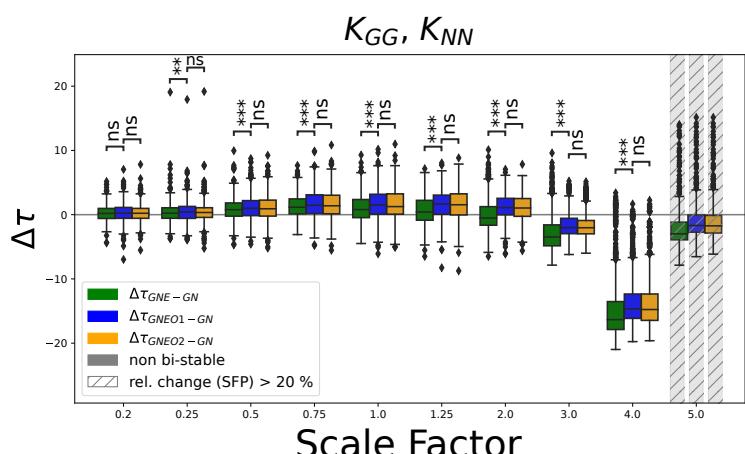
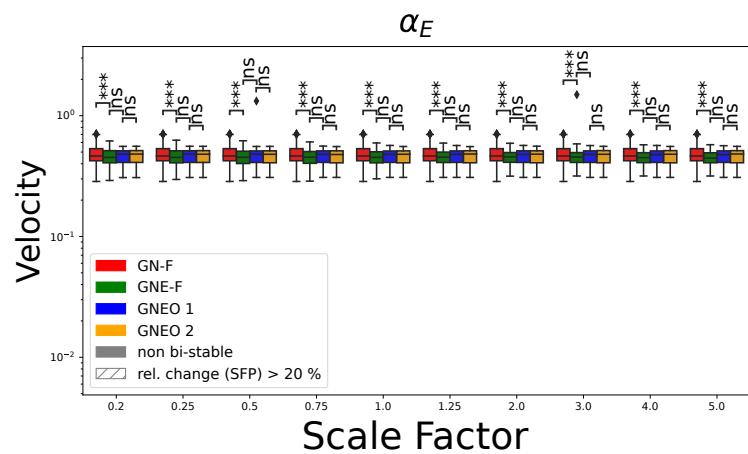
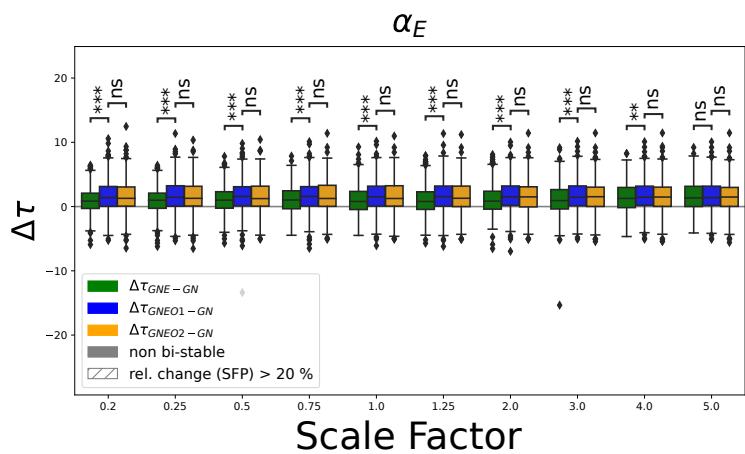
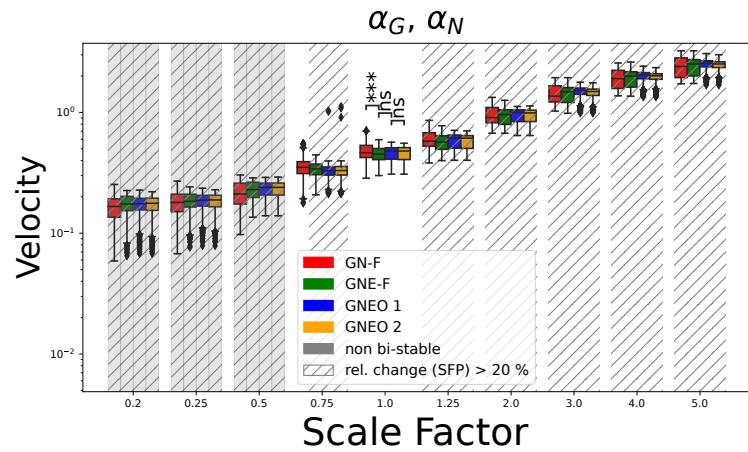
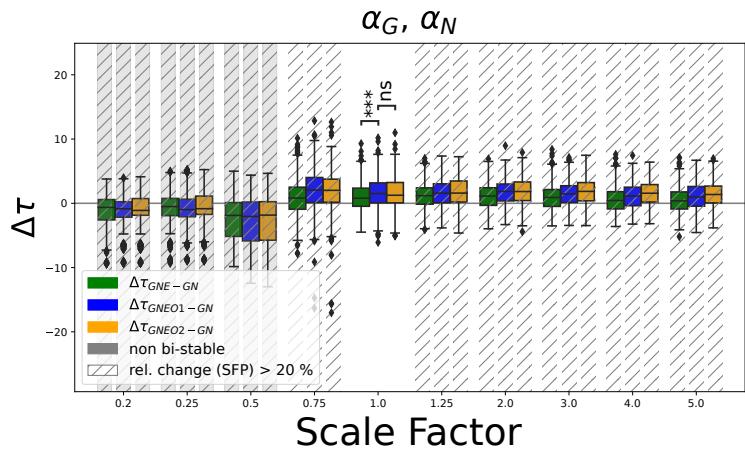
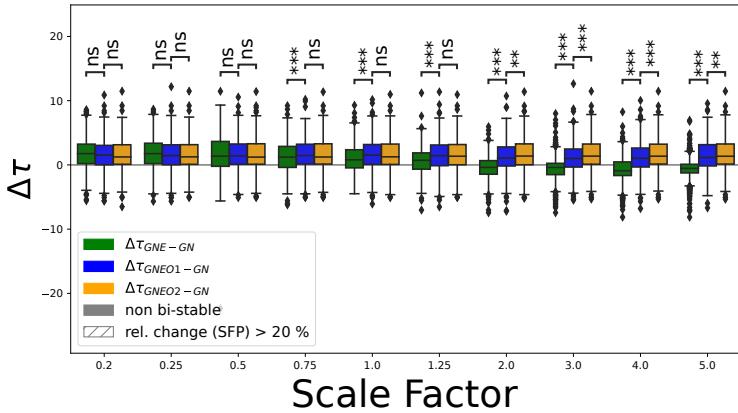
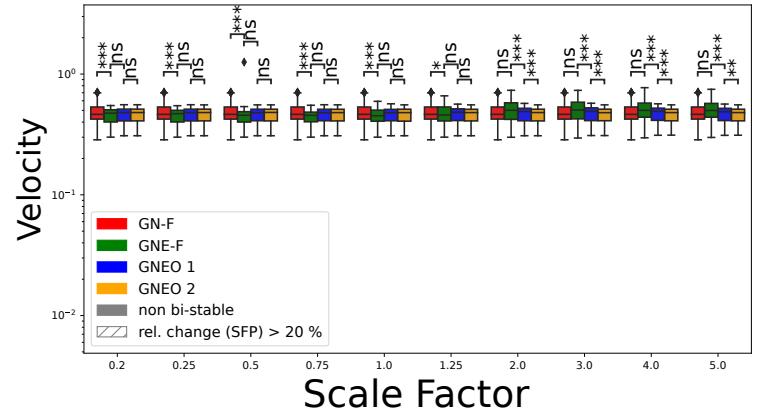
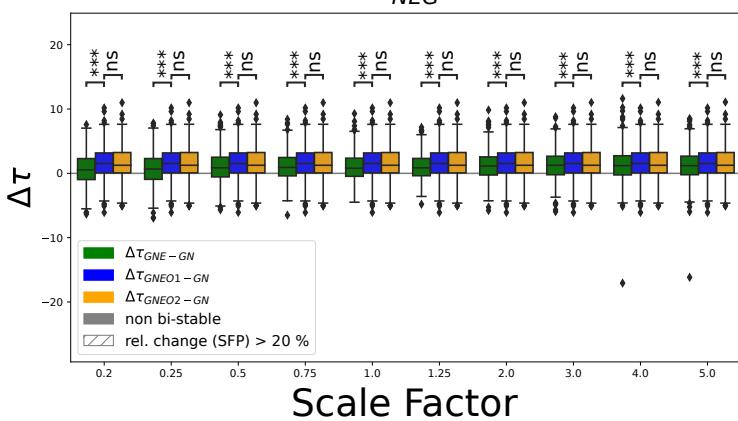
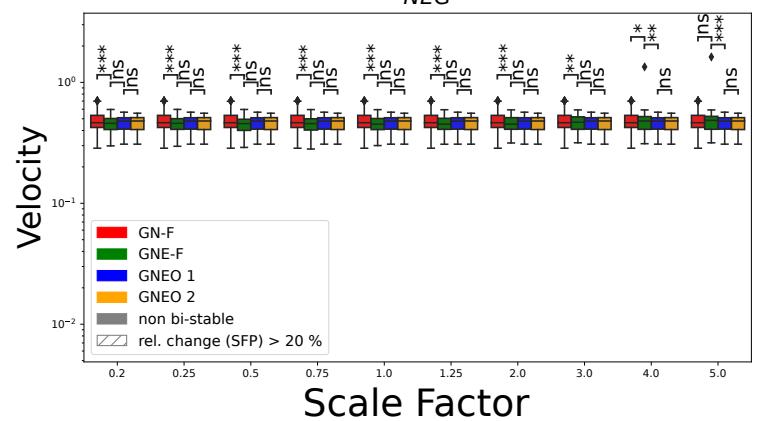
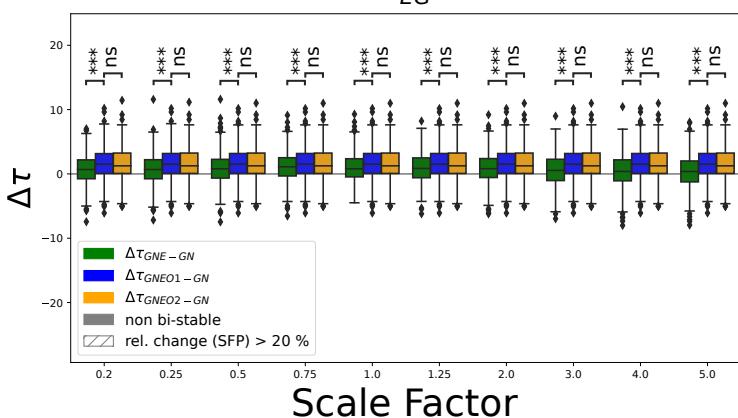
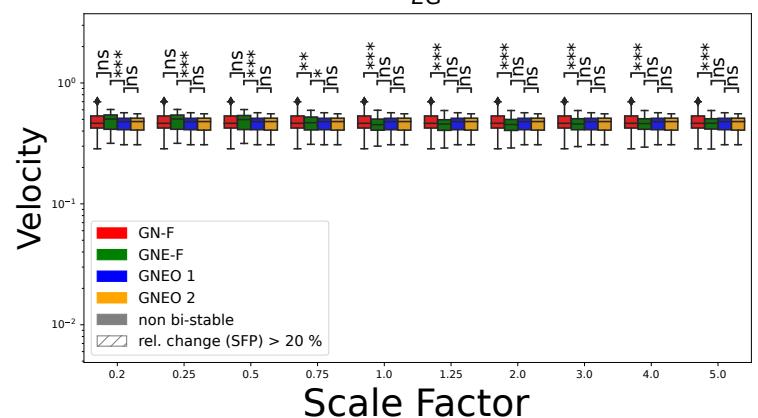
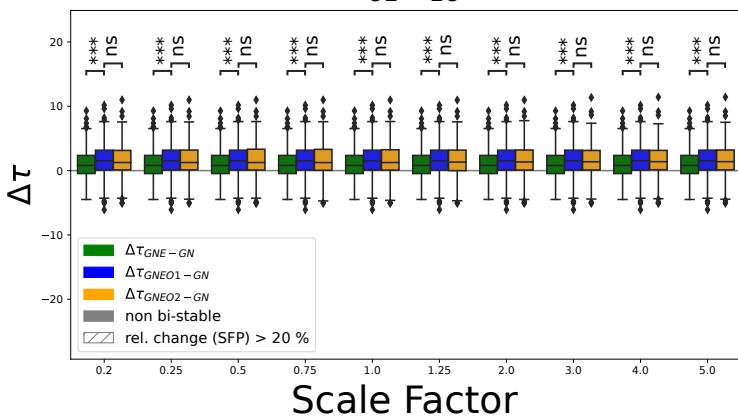
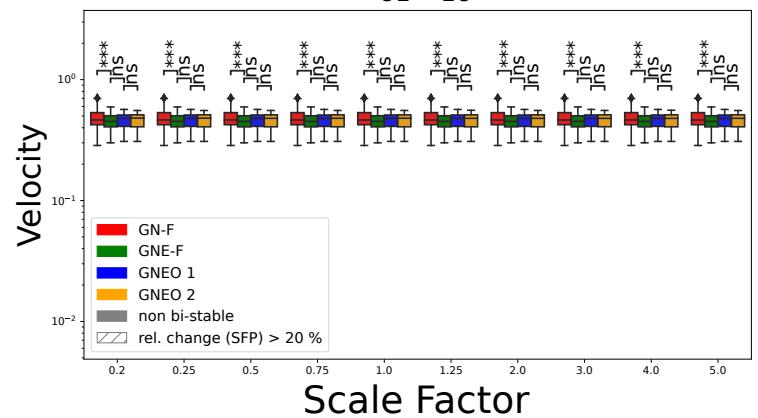
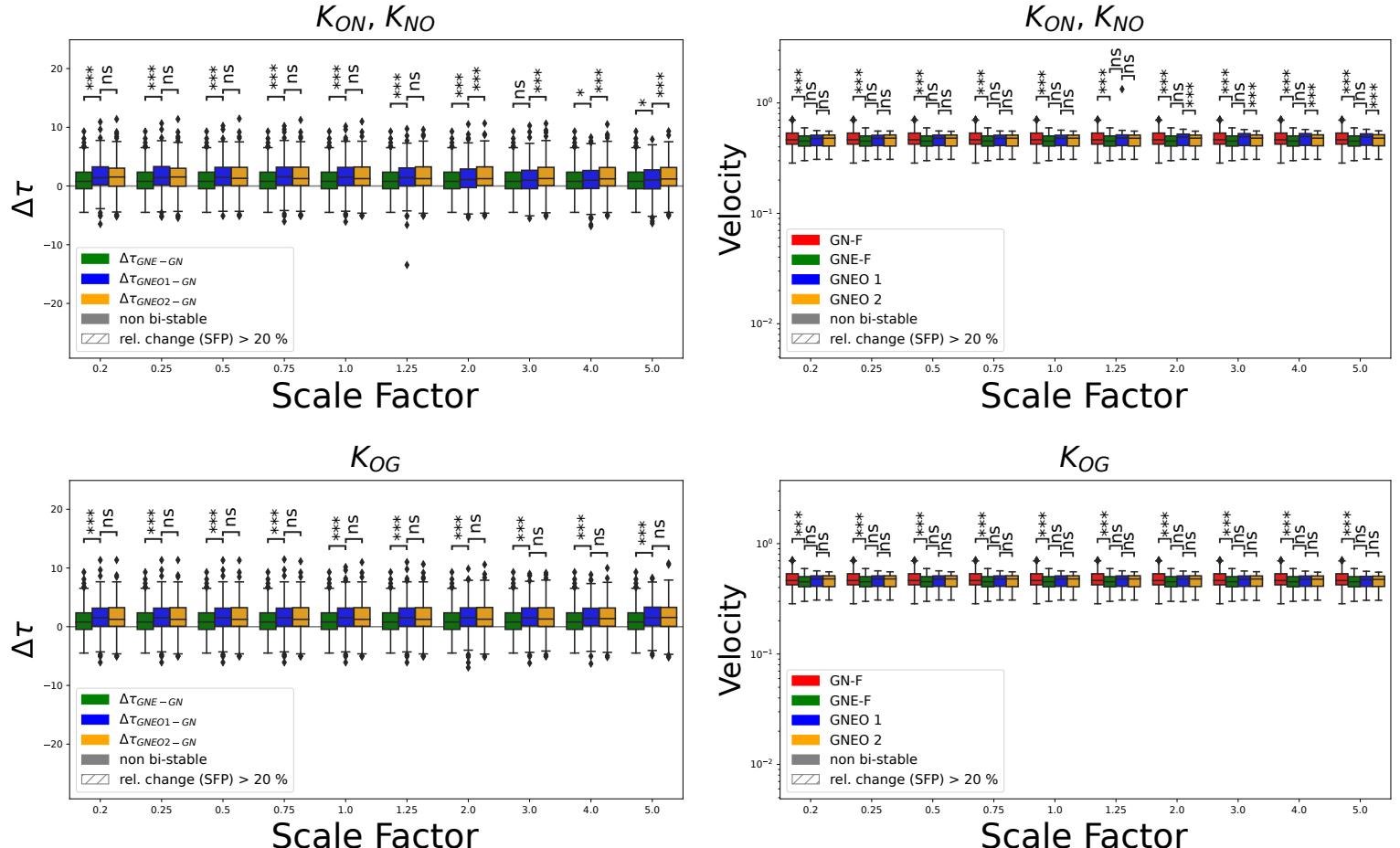


# Parameter Sensitivity Analysis for GN, GNE, GNEO 1, and GNEO 2



$K_{EN}, K_{NE}$  $K_{EN}, K_{NE}$  $K_{NEG}$  $K_{NEG}$  $K_{EG}$  $K_{EG}$  $K_{OE}, K_{EO}$  $K_{OE}, K_{EO}$ 



### One-sided Mann-Whitney U test Results:

#### Significance Key:

- \* = p-value < 0.05
- \*\* = p-value < 0.01
- \*\*\* = p-value < 0.001
- ns = p-value > 0.05 (not significant)

In the above box plots, only Mann-Whitney U test results on null hypothesis B, C, D, E, and F are presented.  
All test results can be found on GitHub Repository "masters\_thesis" in folder "distribution stats"  
([https://github.com/SiljaSvendsen/masters\\_thesis/tree/main/distribution%20stats](https://github.com/SiljaSvendsen/masters_thesis/tree/main/distribution%20stats)).

#### The List of Null Hypothesis:

- A) The  $\Delta\tau_{GNEO2-GN}$  are equal to or smaller than the  $\Delta\tau_{GNE-GN}$ .
- B) The  $\Delta\tau_{GNEO1-GN}$  are equal to or smaller than the  $\Delta\tau_{GNE-GN}$ .
- C) The  $\Delta\tau_{GNEO2-GN}$  are equal to or smaller than the  $\Delta\tau_{GNEO1-GN}$ .
- D) The velocities of the  $GNE - F$  network model are equal to or larger than the velocities of the  $GN - F$  network model.
- E) The velocities of the  $GNEO1$  network model are equal to or larger than the velocities of the  $GNE - F$  network model.
- F) The velocities of the  $GNEO2$  network model are equal to or larger than the velocities of the  $GNEO1$  network model.
- G) The velocities of the  $GNEO1$  network model are equal to or larger than the velocities of the  $GN - F$  network model.
- H) The velocities of the  $GNEO2$  network model are equal to or larger than the velocities of the  $GNE - F$  network model.
- I) The velocities of the  $GNEO2$  network model are equal to or larger than the velocities of the  $GN - F$  network model.