

PAUL SCHERRER INSTITUT



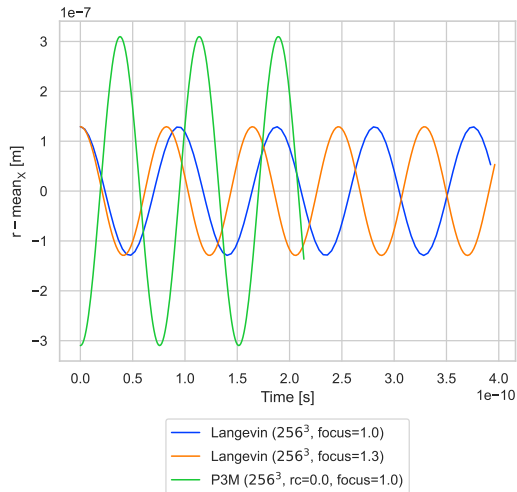
ETH zürich



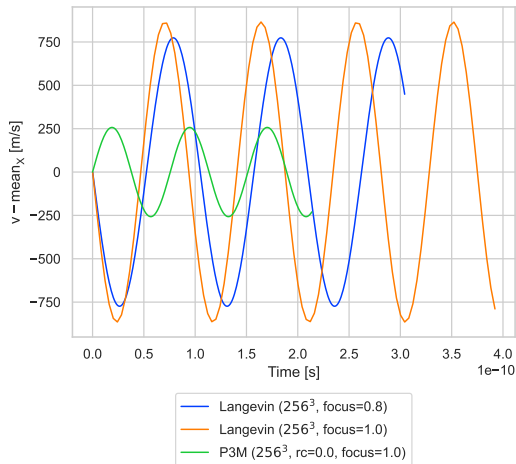
Tobia Clagluna :: AMAS Group

Discussion DIH

Mean Statistics

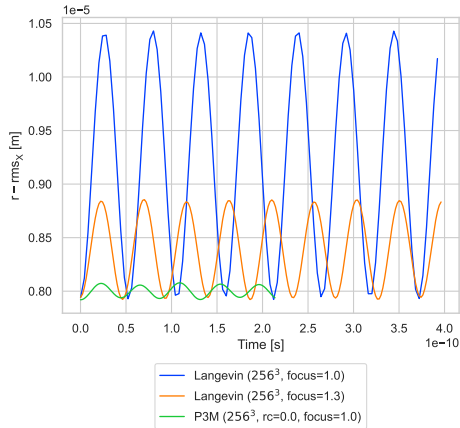


Mean radius in X direction

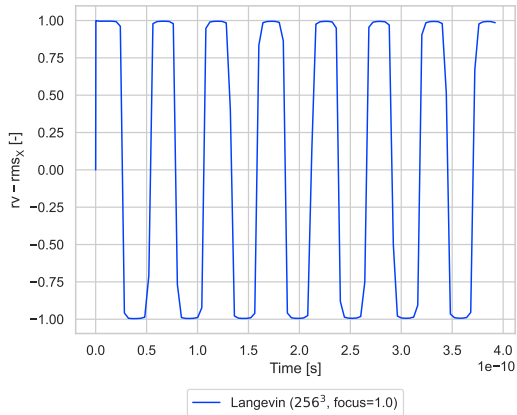
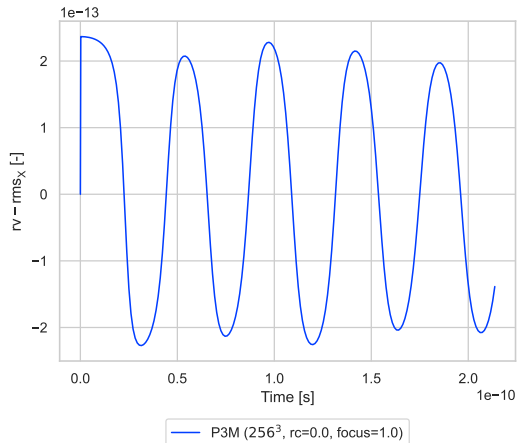


Mean velocity in X direction

Investigating the Focus Force

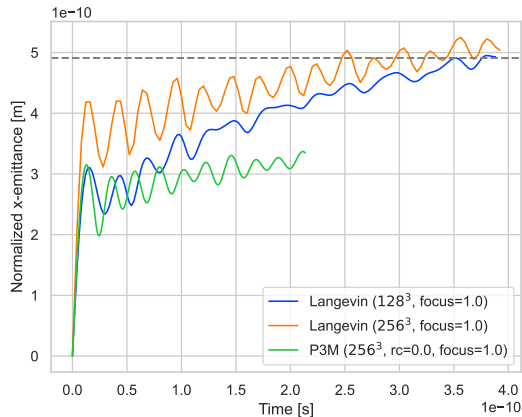


Correlation Statistics



Comparison to P3M

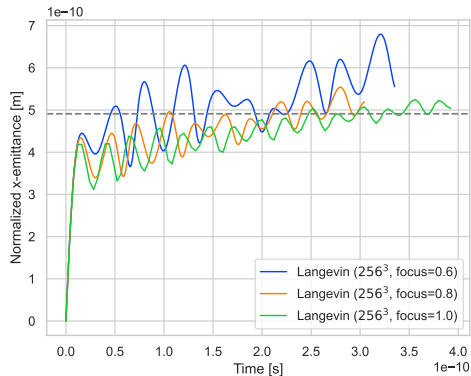
Change in mesh size drastically improves results:



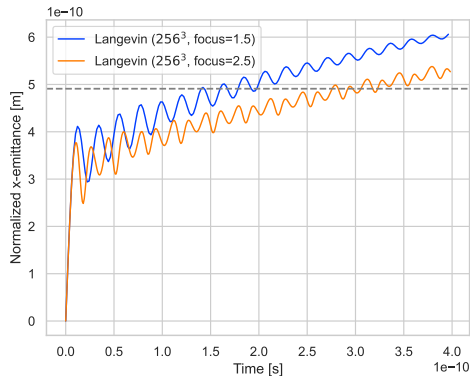
Normalized Emittance of a cold sphere (no collisions), showing diverging emittance.

Comparison to P3M

Constant focusing factor is an important hyperparameter:



Decreased Constant Focusing



Increased Constant Focusing

Conclusion about Results

- Emittance coincides to some extent with Severin's results
- The other statistics are not yet in agreement (though they must have been at some point?)