

Supplementary Material for: A Classical Molecular Dynamics Study of the Effect of the Atomic Force Microscope Tip Shape, Size and Deformation on the Tribological Properties of the Graphene/Au(111) Interface

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S1 Lateral friction forces as a function of sliding distance

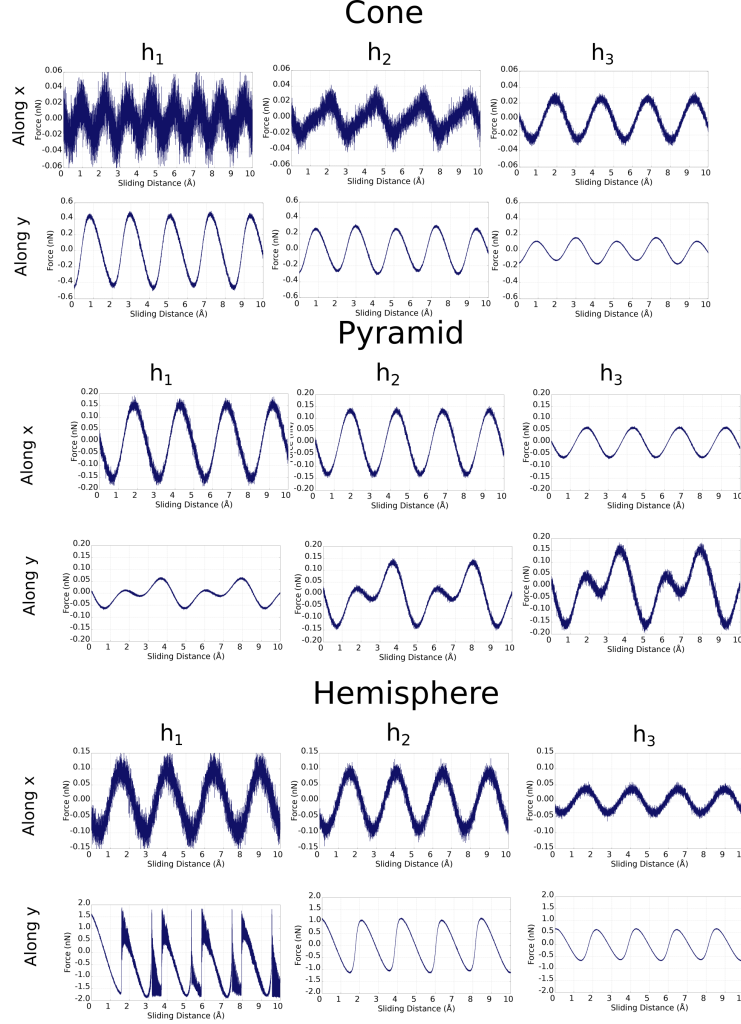


Figure S1: Lateral friction force as a function of sliding distance along the x and y directions at $T=1$ K. From top to bottom, the forces for the rigid cone, the rigid pyramid and the rigid hemisphere are presented.

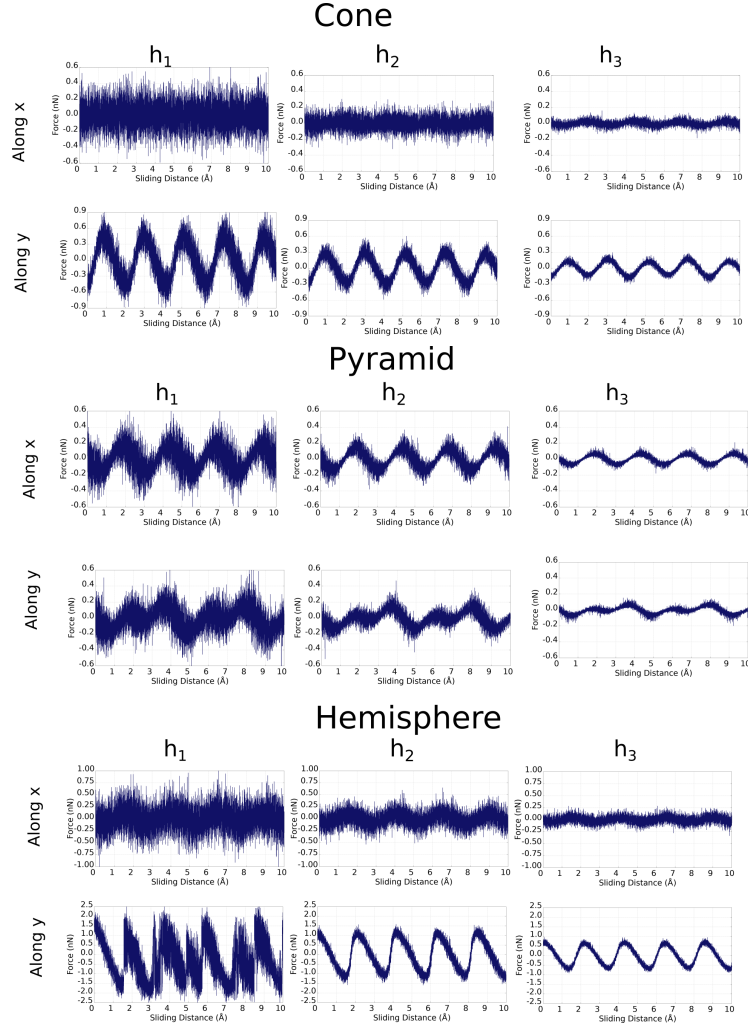


Figure S2: Lateral friction force as a function of sliding distance along the x and y directions at $T=100$ K. From top to bottom, the forces for the rigid cone, the rigid pyramid and the rigid hemisphere are presented.

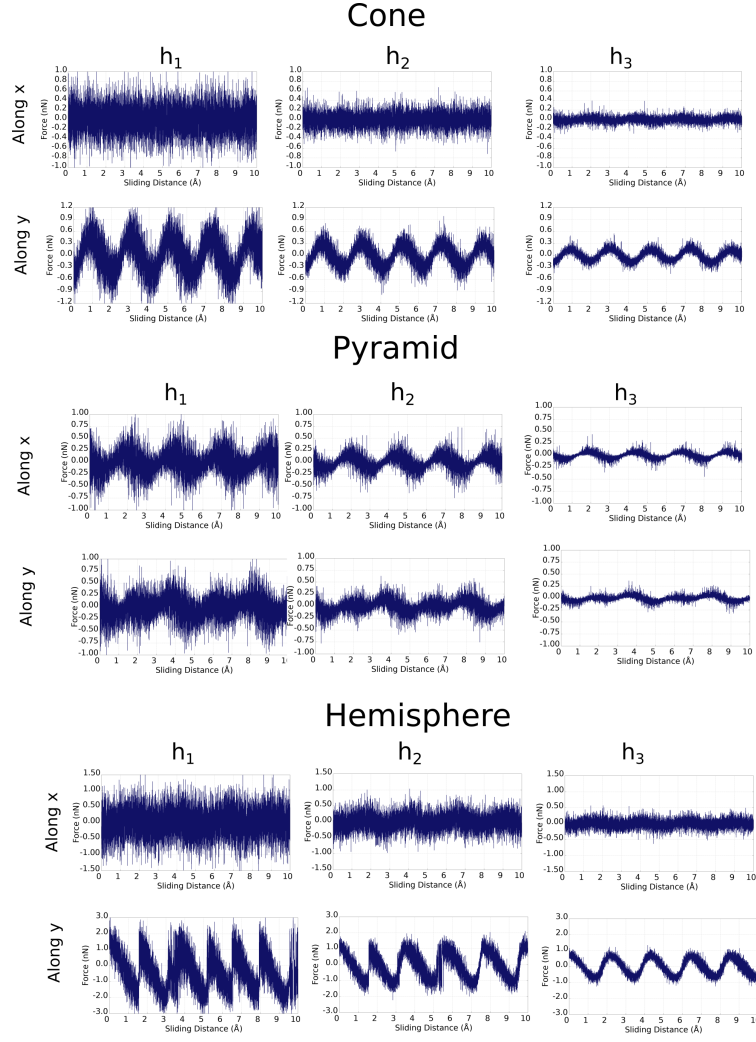


Figure S3: Lateral friction force as a function of sliding distance along the x and y directions at $T=300$ K. From top to bottom, the forces for the rigid cone, the rigid pyramid and the rigid hemisphere are presented.