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Analysis of atomic Moiré patterns on graphene/Rh(111)

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**Highlights**

- Moiré pattern of graphene/Rh(111) show a buckling of the graphene sheet in scanning tunneling microscopy.
- Moiré pattern of graphene/Rh(111) with different lattice constant is observed.
- Scanning tunneling spectroscopy of Moiré pattern shows hybridization between graphene and Rh(111).

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