



# Atomic Force Microscopy: Understanding Basic Modes and Advanced Applications

*Greg Haugstad*

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# Atomic Force Microscopy: Understanding Basic Modes and Advanced Applications

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**Atomic Force Microscopy: Understanding Basic Modes and Advanced Applications** Greg Haugstad

This book enlightens readers on the basic surface properties and distance-dependent intersurface forces one must understand to obtain even simple data from an atomic force microscope (AFM). The material becomes progressively more complex throughout the book, explaining details of calibration, physical origin of artifacts, and signal/noise limitations. Coverage spans imaging, materials property characterization, in-liquid interfacial analysis, tribology, and electromagnetic interactions.

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