

## Correction of resonance frequency shift in terms of coupling vibration between sample and transducers

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A coupling vibration model is proposed to interpret resonance frequency shifts caused by clamp-force for a spherical sample between a couple of transducers. The model predicts the different functional forms for S and T modes. Both the functional forms are confirmed experimentally. The interpolation based on those functional forms enables us to improve accuracy of the intrinsic resonance frequencies at least by one order of magnitude.