Tropical-Forest Profiles and Biomass from TanDEM-X, Single-Baseline Interferometric SAR: InSAR Performance at Higher Frequencies and Bandwidths

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Lidar Says:
Profile Fourier Transforms at Multiple Frequencies Yield Better Biomass Estimates than Height

InSAR Says:
Only one Fourier Frequency per baseline-length

Simulation Suggests
Only localized, hard scattering
(High Frequencies?)
Will Enable Lateral Sampling to Recover Vertical Profile

Comparison of TanDEM-X Look-Phase-Height Profiles to Lidar and Field

Increase # of Fourier Frequencies by Sampling Vertical Profile With Lateral Look-Phase-Height

Use Fourier Transform of Look-Phase-Height Distribution to Estimate Biomass

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