

Abstract Submitted
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Software for Simulation and Processing Photonic Doppler Velocimetry data and system characterization.¹ NIKOLA STAN, None — Traverse PDV Tools software instructs the user on how to characterize heterodyne photonic Doppler velocimetry (PDV) measurements systems in terms of frequency shifts based on estimated experiment velocities. The software answers the question that is often asked, “Is the hardware available capable of measuring this velocity?” The software is also a tool for extracting velocity information from the measured PDV data. The program uses discrete short-time Fourier transform approach to extract data and is entirely written in Python.

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None

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