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Pedestrian headways –reflection of territorial social forces

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**Highlights.**

- We introduce two functional candidates for the headway distribution detected in pedestrian crowds.
- We quantitatively estimate repulsion forces for the social force model.
- We estimate a level of stochastic resistivity in walkers groups.
- Empirical/experimental data samples are subjected to an analysis of the statistical rigidity.
- We compare statistical properties of microstructure between pedestrian and vehicular samples.

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