

Accepted Manuscript

Moving characteristics of single file passengers considering the effect of ship trim and heeling

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PII: S0378-4371(17)30764-1

DOI: <http://dx.doi.org/10.1016/j.physa.2017.08.031>

Reference: PHYSA 18477

To appear in: *Physica A*

Received date : 20 April 2017

Revised date : 8 June 2017

Please cite this article as: J. Sun, S. Lu, S. Lo, J. Ma, Q. Xie, Moving characteristics of single file passengers considering the effect of ship trim and heeling, *Physica A* (2017), <http://dx.doi.org/10.1016/j.physa.2017.08.031>

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Highlights

- 1. Single file experiments were conducted in a ship corridor for both female and male groups.
- 2. Not only density, but also trim or heeling angles affect the speed.
- 3. The front neighbor of the target experimental subject has more influence than others in front.
- 4. Similar distance headway is required in different trim or heeling conditions.
- 5. Longer time headway is needed in lower individual walking speed to keep enough distance headway.

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