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

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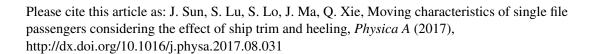
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Highlights

- 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.
- Longer time headway is needed in lower individual walking speed to keep enough distance headway.

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