

# Effects of the body force on the evacuation dynamics

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## Abstract

*Keywords:*

Pedestrian Dynamics, Social Force Model, Body Force

*PACS:* 45.70.Vn, 89.65.Lm

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## 1. Introduction

## 2. Background

### 2.1. The Social Force Model

## 3. Numerical simulations

## 4. Results

### 4.1. Bottleneck

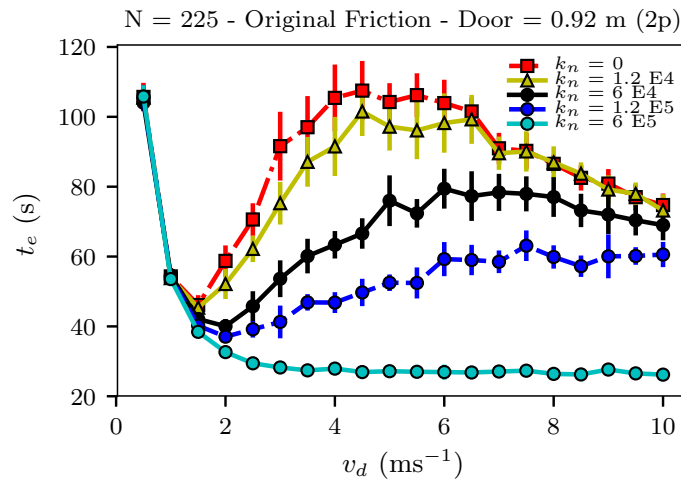


Figure 1:

*4.2. Corridor*

*4.3. Reduced-in-units equation of motion*

## **5. Conclusions**

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