# Effects of the body force on the evacuation dynamics

# Abstract

Keywords:

Pedestrian Dynamics, Social Force Model, Body Force

PACS: 45.70.Vn, 89.65.Lm

# 1. Introduction

### 2. Background

#### 2.1. The Social Force Model

#### 3. Numerical simulations

# 4. Results

# 4.1. Bottleneck

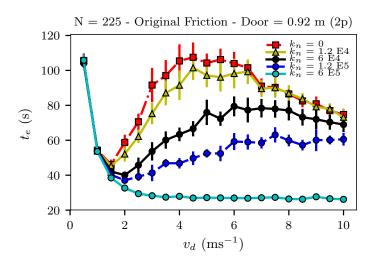


Figure 1:

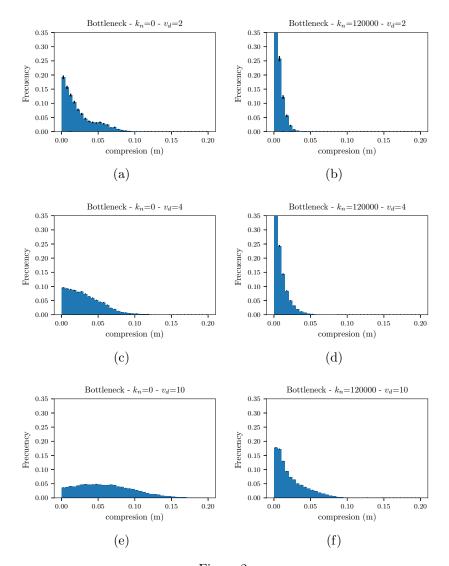


Figure 2:

# 4.2. Corridor

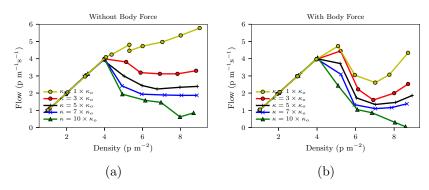


Figure 3:

# 4.3. Reduced-in-units equation of motion

# 5. Conclusions

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