

Pedestrian Dynamics Project

Project: Evacuation simulation First floor Campus Haspel

Presented by:

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- David Teran

Prof. Dr. Mohcine Chraibi

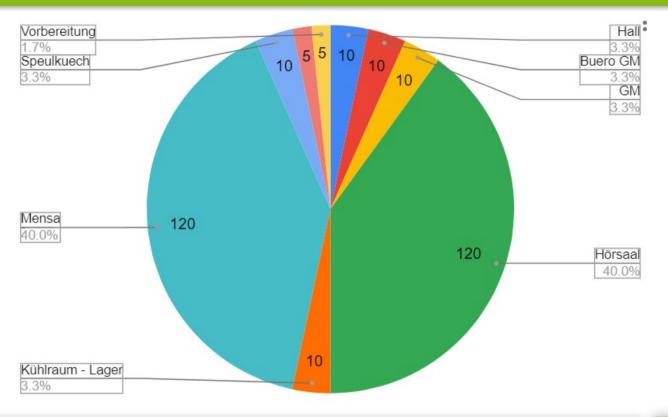


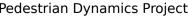
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Configuration: Agents (300 people)

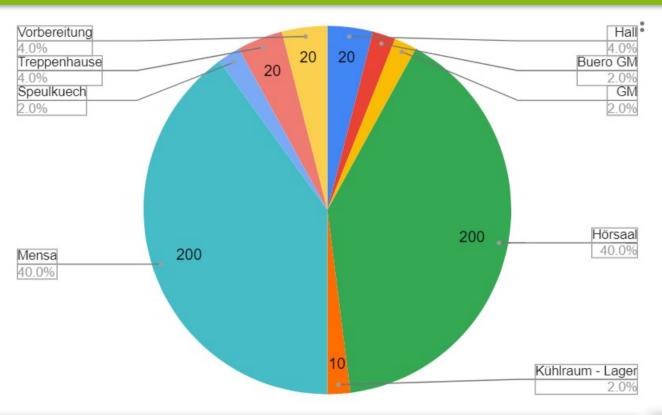


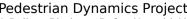


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Configuration: Agents (500 people)



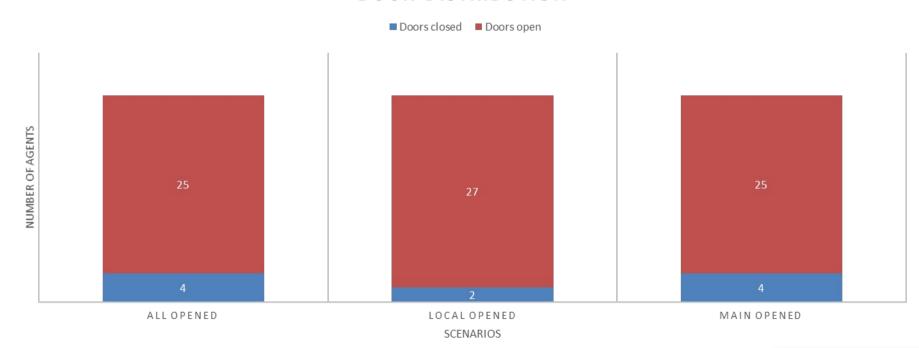


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Configuration: doors

DOOR DISTRIBUTION



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ETL (Extract, transform, load)

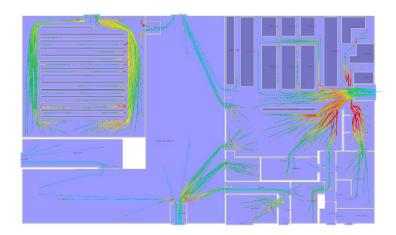


ETL (Extract, transform, load)

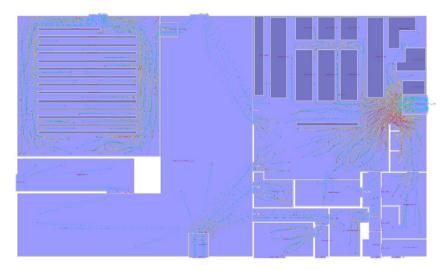
Github link: https://tinyurl.com/24awhthn

Scenario: All Doors Opened (300 agent)

Pedestrians: 1 Time: 438 Sec



GCFM-85



Time: 53 Sec

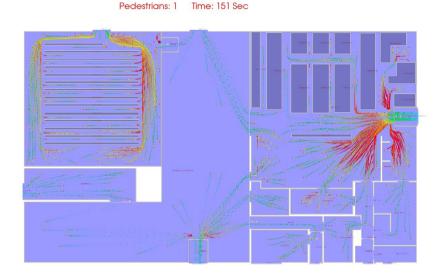
Pedestrians: 1

Tordeux-53.46

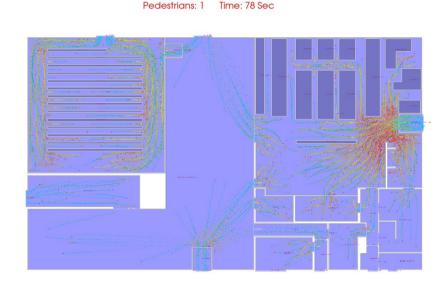
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Scenario: All Doors Opened (500 agent)



GCFM-134



Time: 78 Sec

Tordeux-78.04

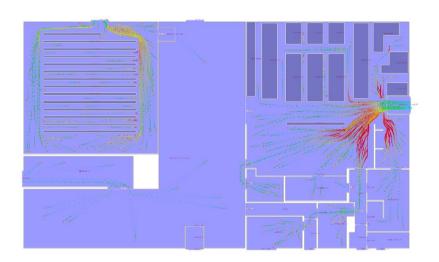
Pedestrian Dynamics Project

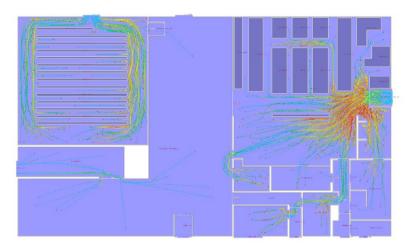


Scenario: Main door closed, Local door open (300 agent)

Pedestrians: 1 Time: 67 Sec

Pedestrians: 1 Time: 109 Sec





GCFM-109.28

Tordeux-67.83

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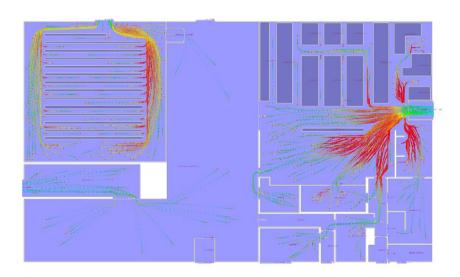


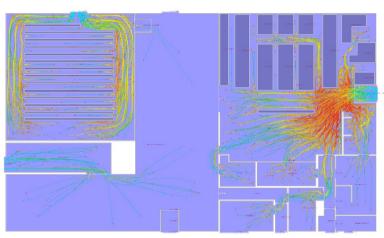
Scenario: Main door closed, Local door open (500 agent)

Pedestrians: 1

Time: 169 Sec

Pedestrians: 1 Time: 96 Sec.





GCFM-169.75

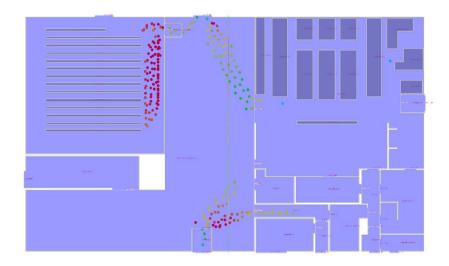
Tordeux-96.96

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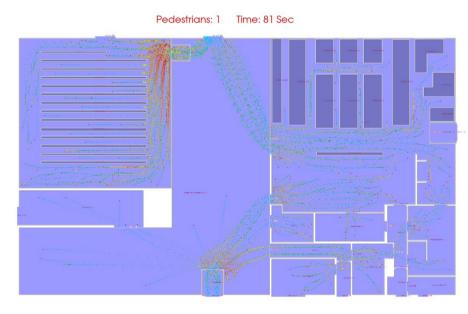


Scenario: Only Main Doors Opened (300 agent)

Pedestrians: 213 Time: 36 Sec



GCFM-140

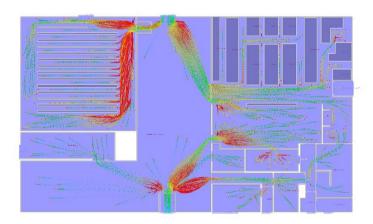


Tordeux-81.75

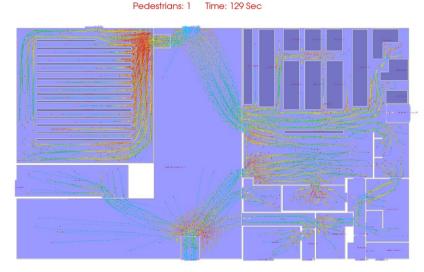


Scenario: Only Main Doors Opened (500 agent)

Pedestrians: 1 Time: 244 Sec



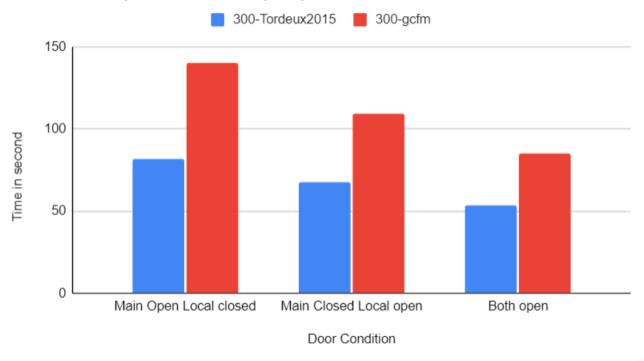
GCFM-140

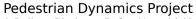


Tordeux-81.75

Model Comparision – 300 people

Model Comparision - 300 people

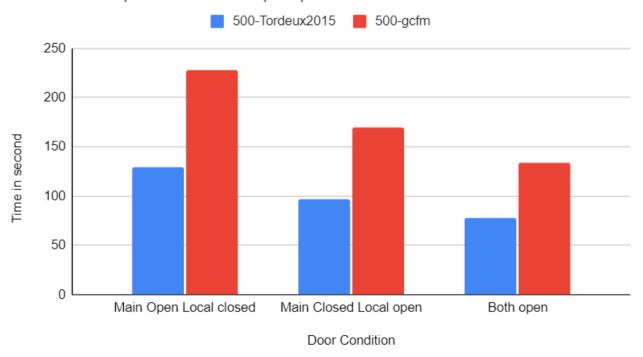






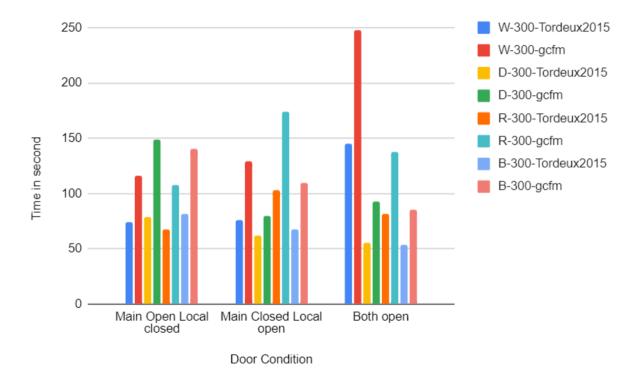
Model Comparision – 500 people

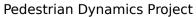
Model Comparision - 500 people





Conclusion – 300 people

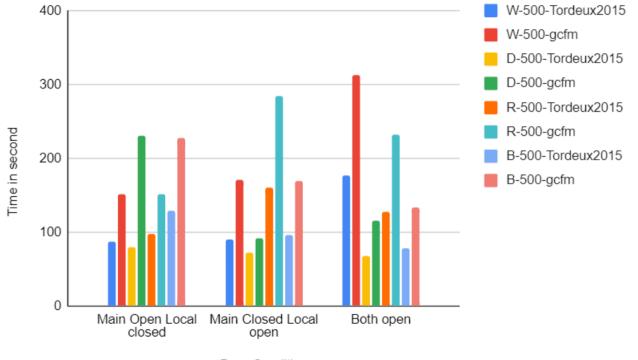




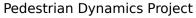




Conclusion – 500 people



Door Condition





The End!

Questions are always welcome!

