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Pedestrian-oriented	urban planning
✓Safety	less crime, fewer traffic accidents
✓Convenience	accessibility to transport, shops, services
✓Amenity	comfortable walking environment
Actual movements Necessary information Influential factors	Needs for Pedestrian behavior model





Requirements of pedestrian behavior models

- There are several needs to develop pedestrian behaviour models
- Key issues

 Understand and explain real pedestrian's movement
 Represent dynamic interaction process between pedestrians and their environment
 (esp. Information which people obtain)

Requirements of pedestrian behavior r	nodels
Current pedestrian behavior models	Diel Merce Sauldie
✓Crowd dynamics	
Micro scale behaviour (e.g. obstacle avoidance)	
✓Transport model	
Network analysis and OD/route estimation	
✓ Stochastic model Probability of state-to-state transition	











search	Aim and Objectives
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To deve	lop a new pedestrian behavior model
√t	e capable of explaining real pedestrian's movement
	Every factors should be determined based on observed data It can deal with more complex behavior (e.g. shopping)
√r	epresents dynamic interaction between pedestrians and their environment
	To deal with not only pre-determined route-choice but also people's cognisve process or other changeable events
√c	an be used as a simulation model
	To visualize, To make the model easy to understand, more transferable
√t	e validated through comparison between actual trajectories
	It should be different from playing with beautiful animation



































