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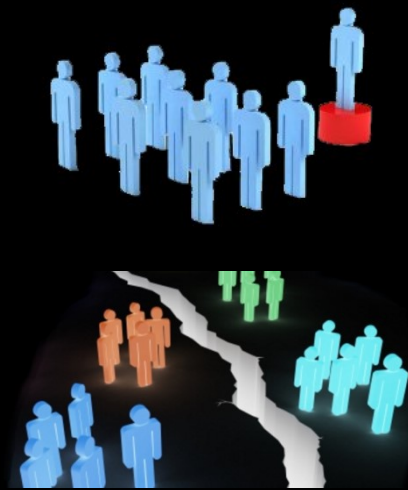
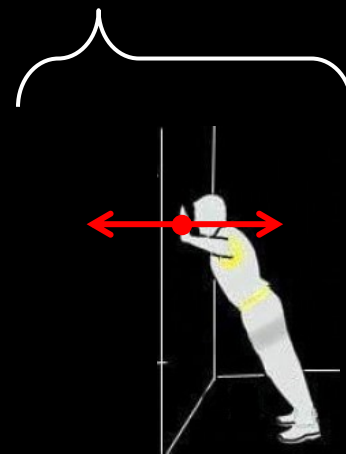
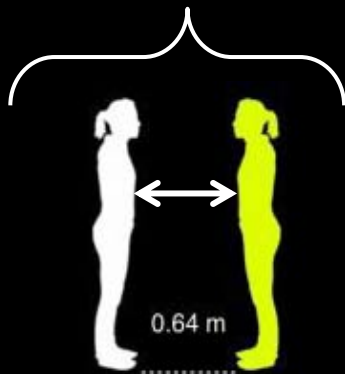
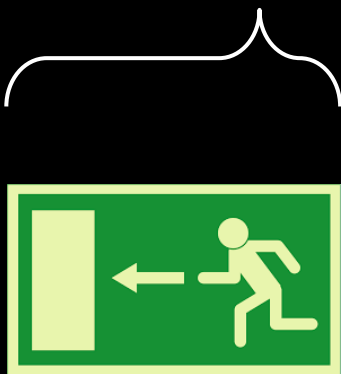
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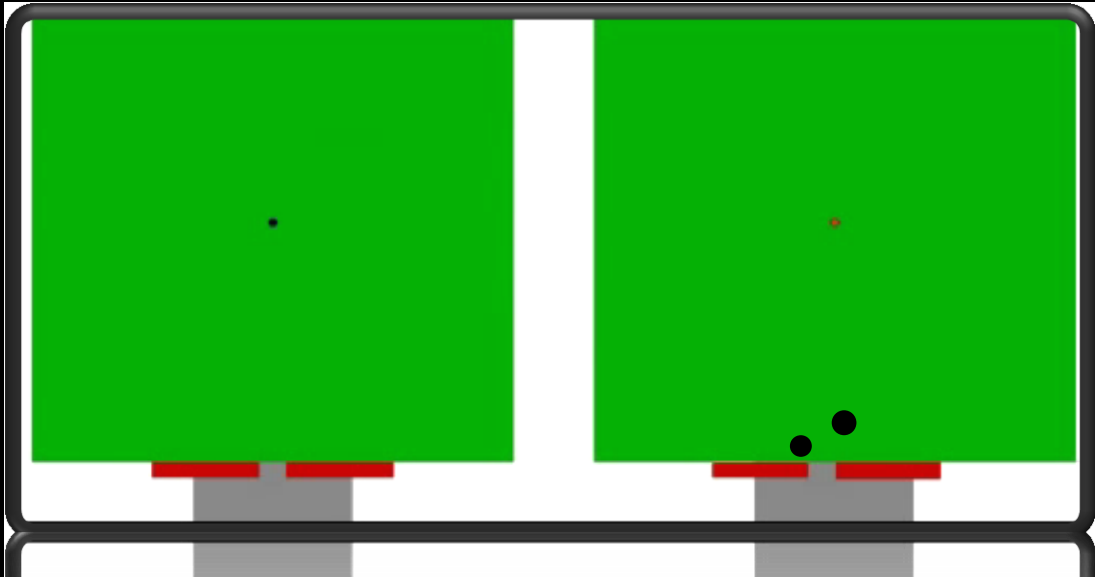
II zasada dynamiki Newtona dla ruchu pieszych

$$m * \vec{a} = \vec{F}_{celu} + \vec{F}_{oddziaływań\ społ.} + \vec{F}_{infrastrukt.} + \vec{F}_{los}$$



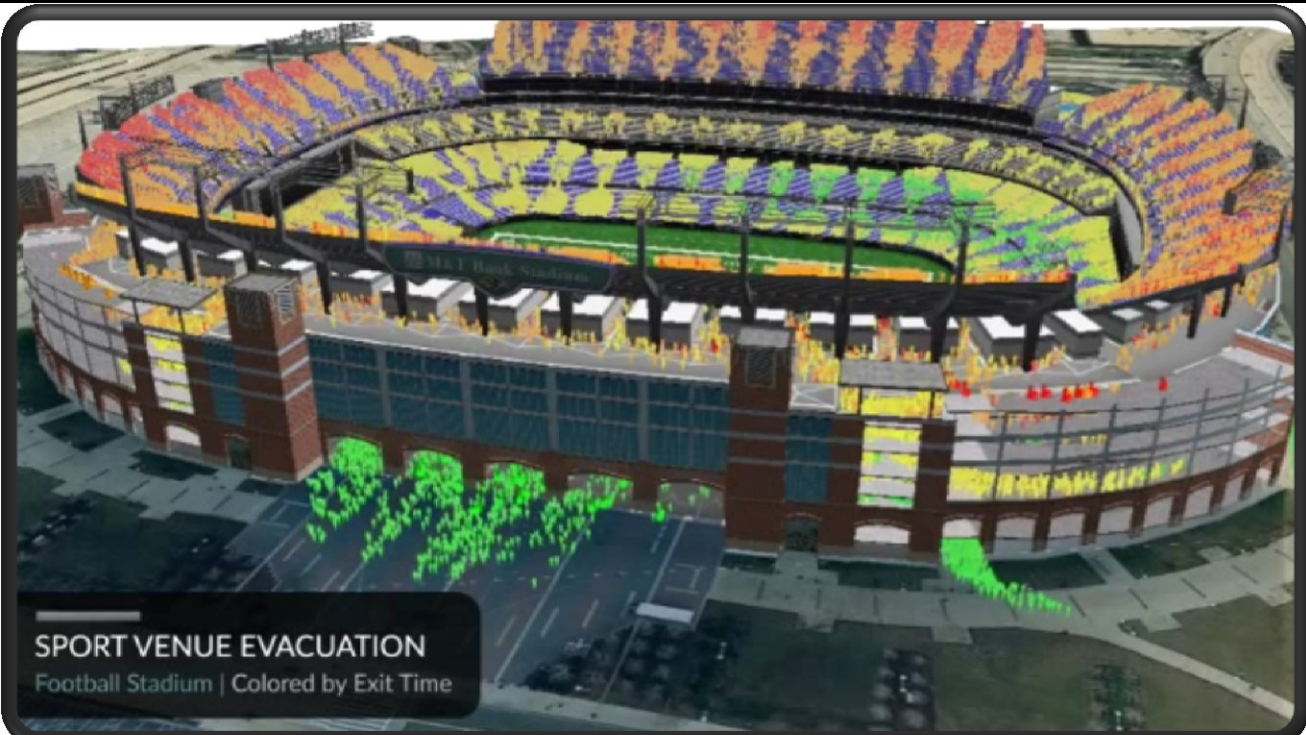


Zjawiska kolektywne w ruchu pieszych



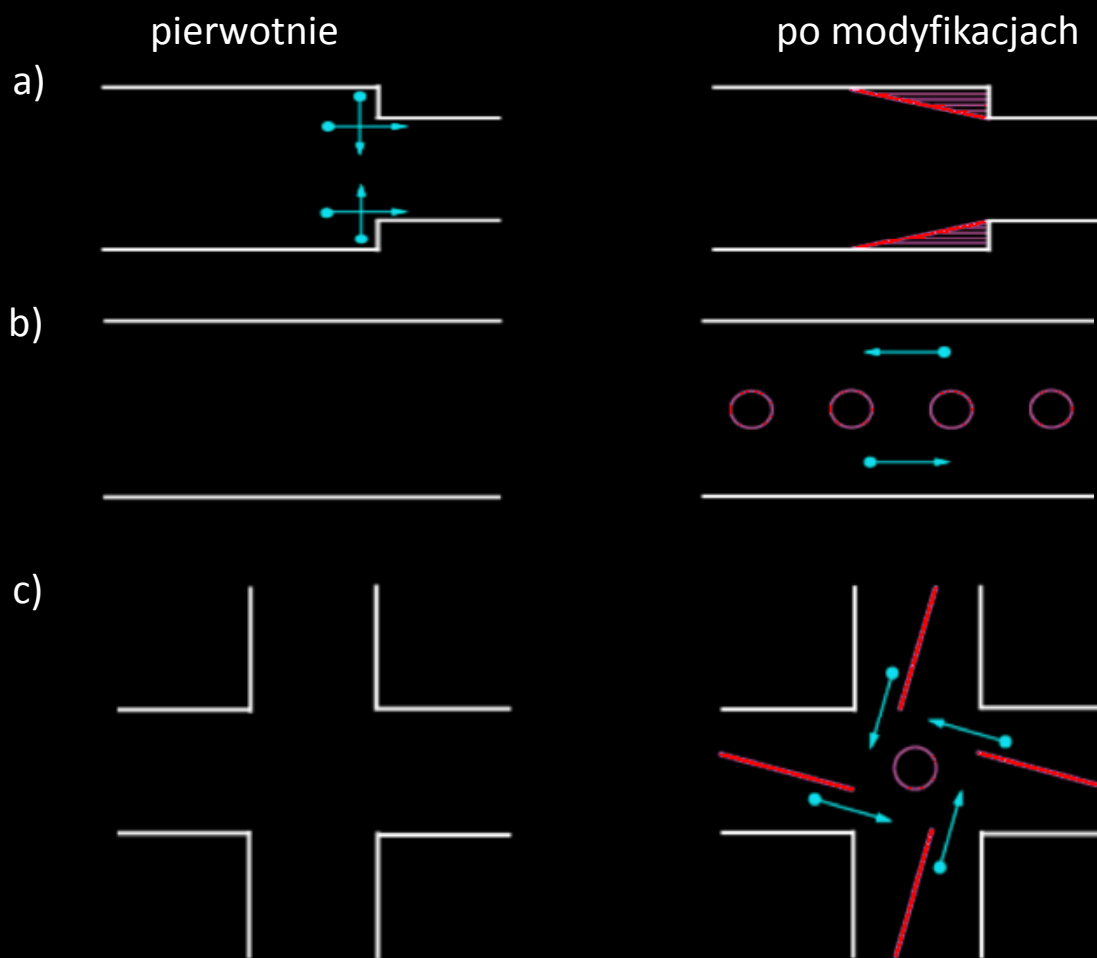


Zjawiska kolektywne w ruchu pieszych



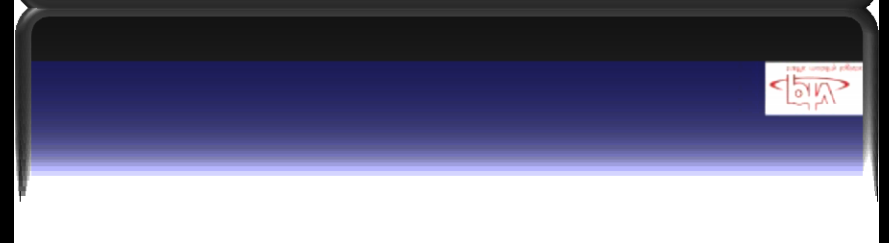
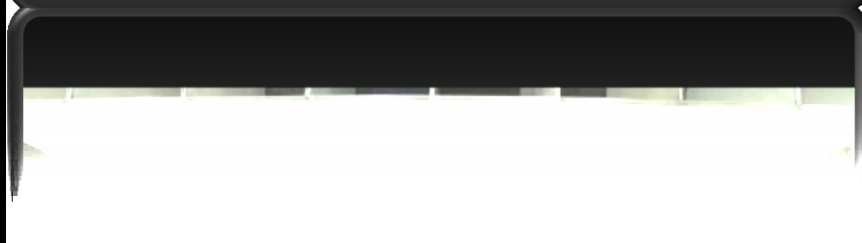
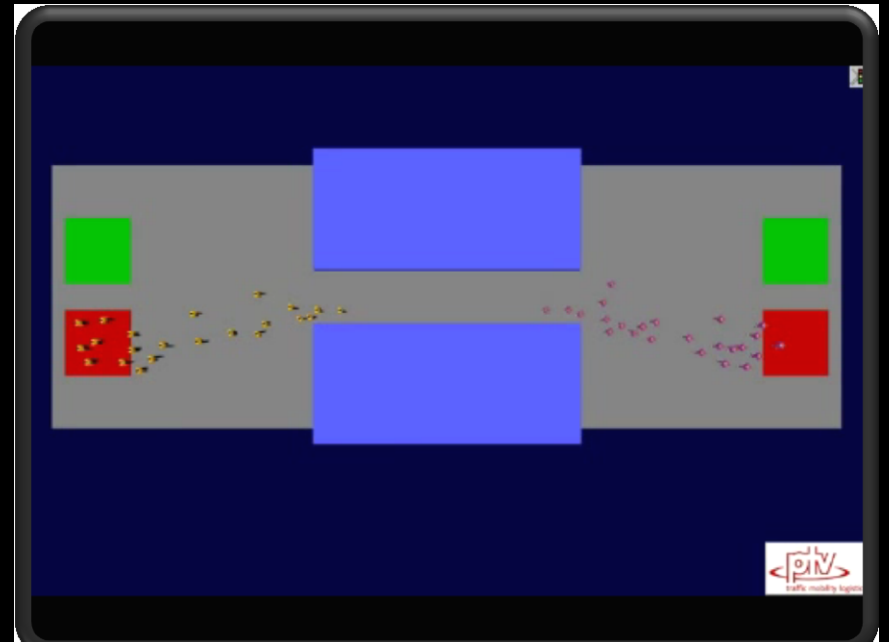
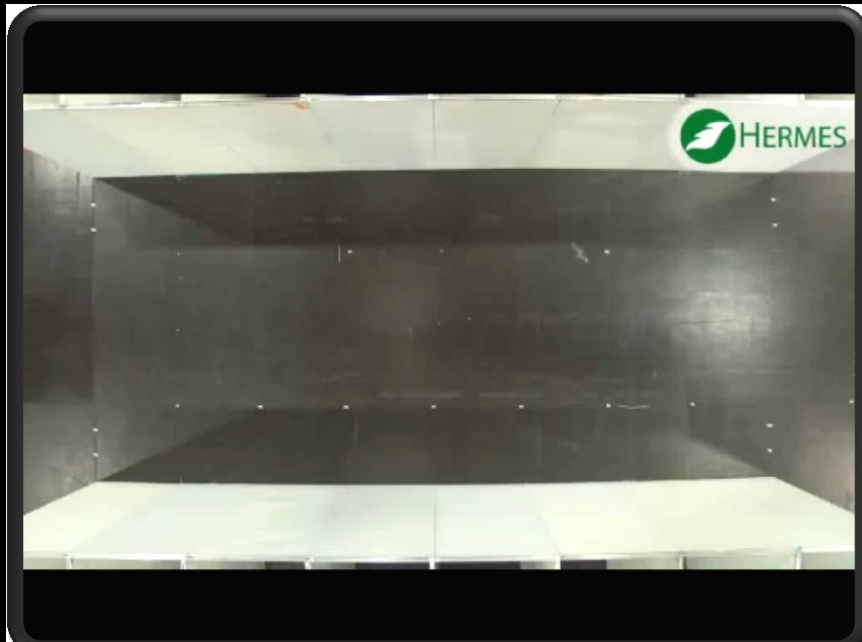


Zjawiska kolektywne w ruchu pieszych



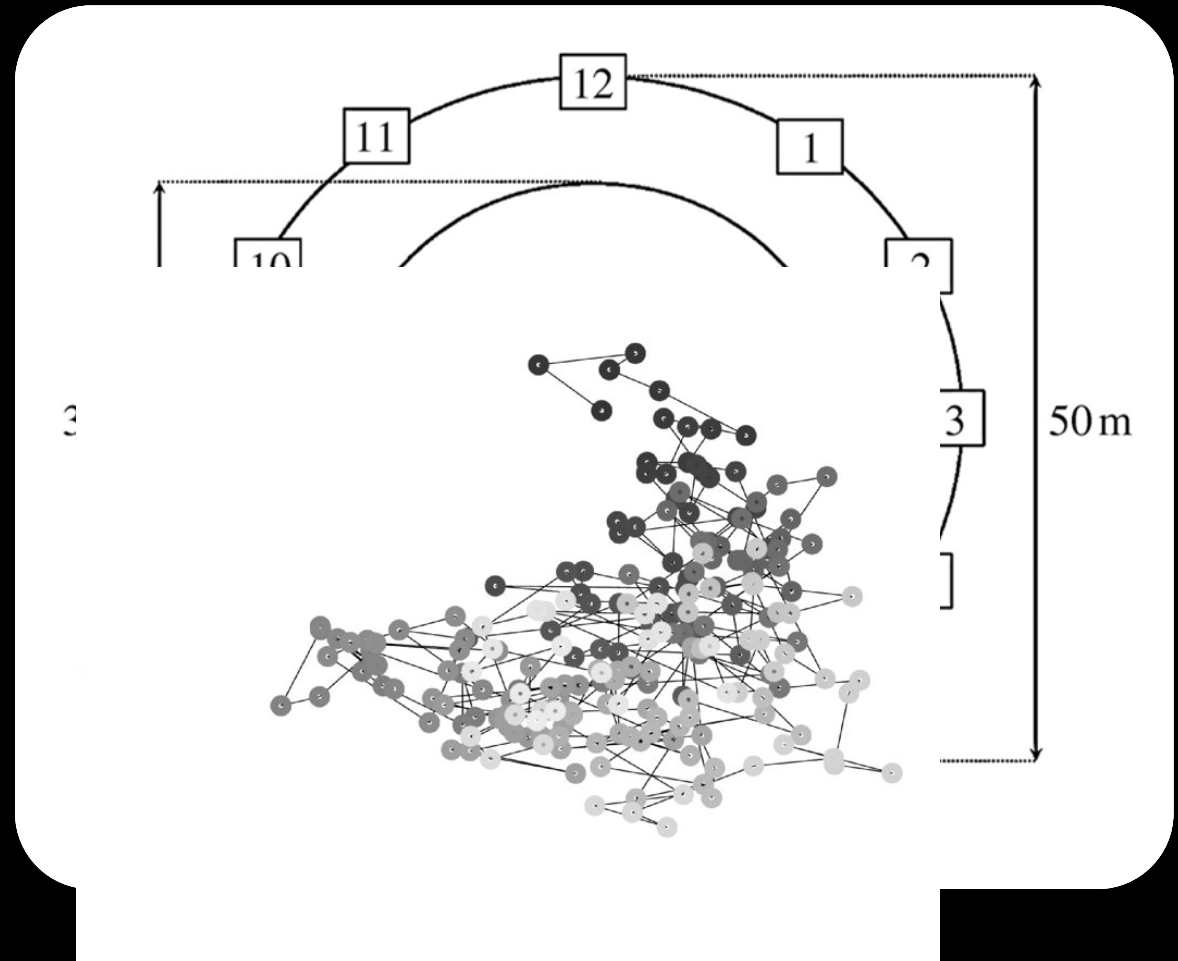


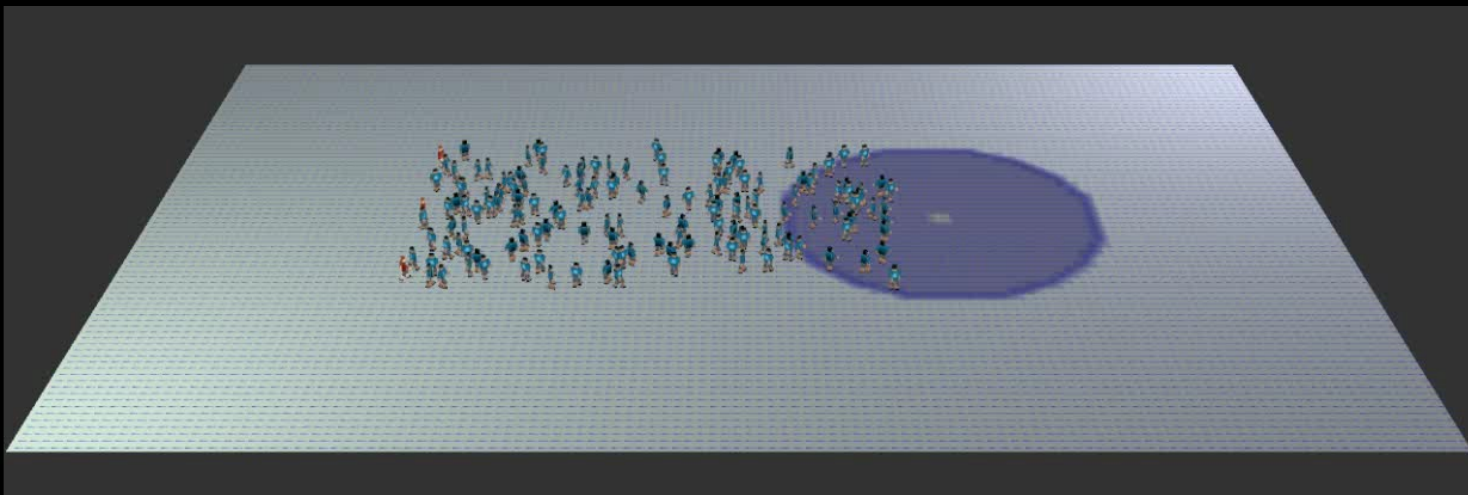
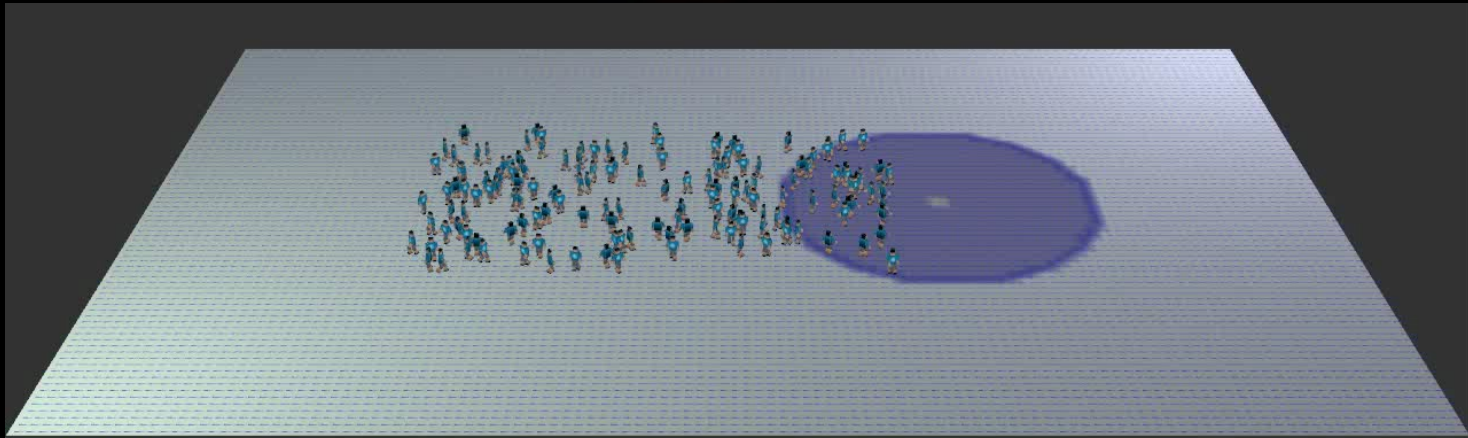
Zjawiska kolektywne w ruchu pieszych





Eksperymnt Dyera



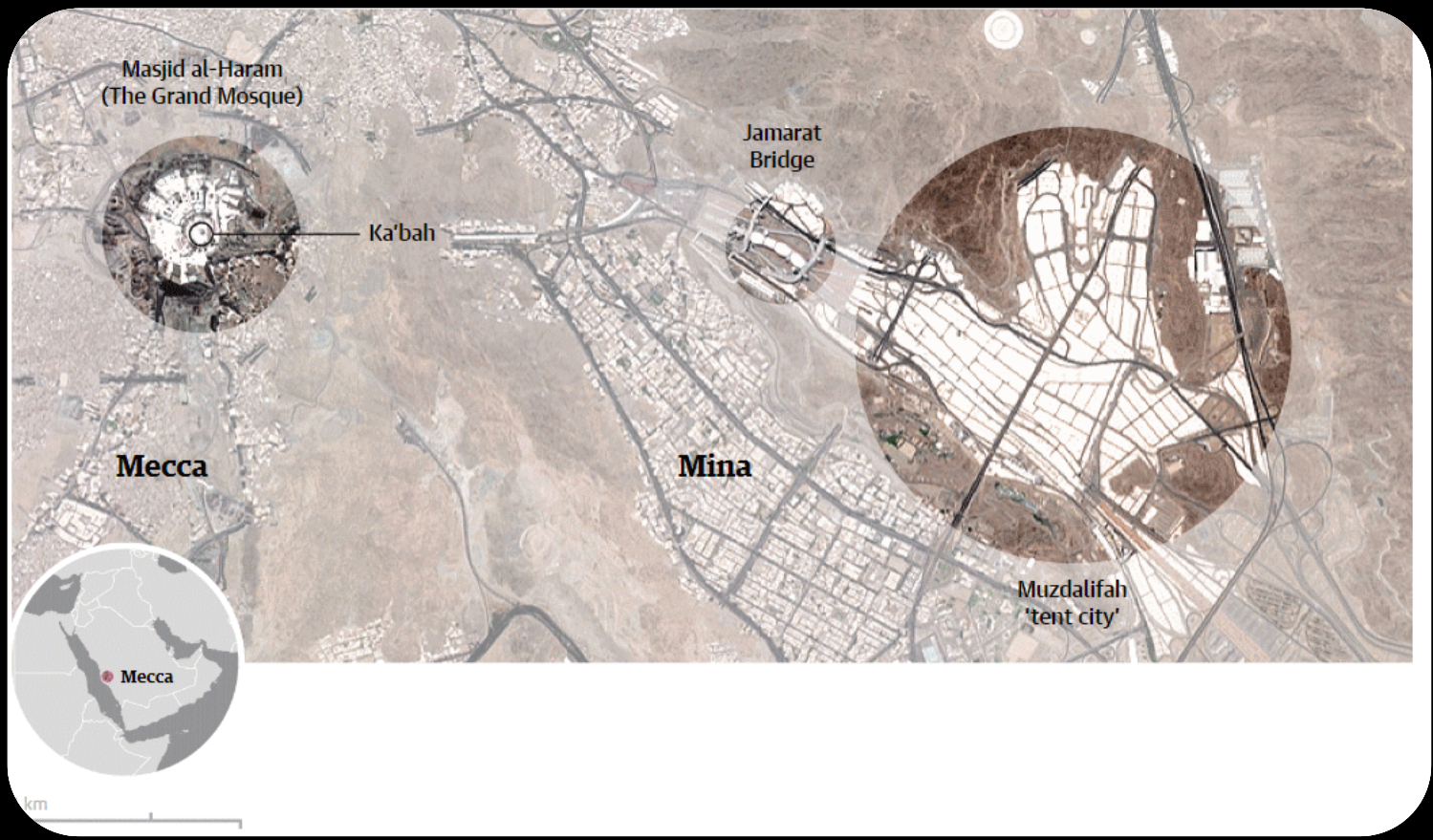


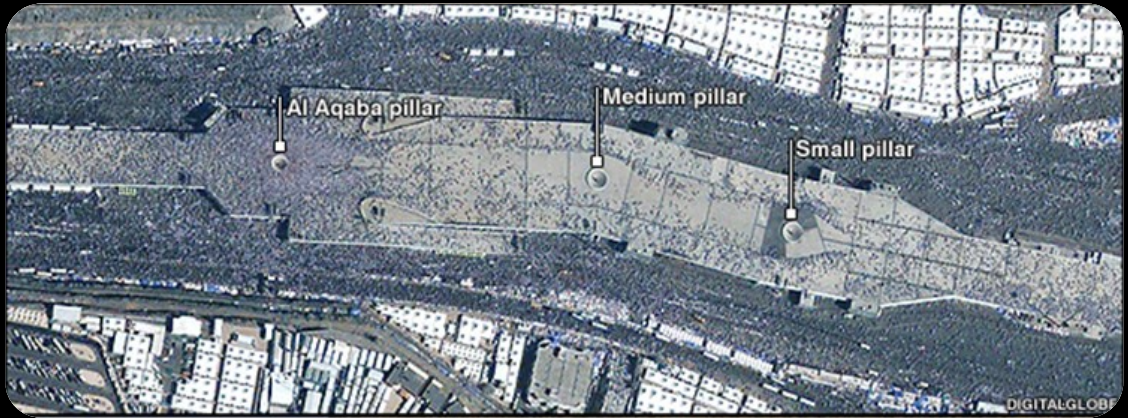
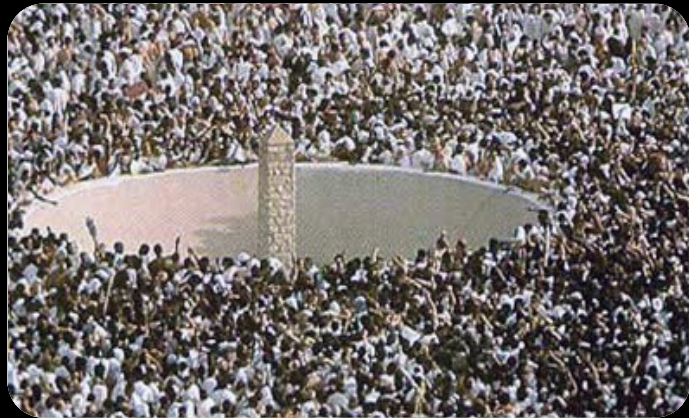


Mekka, Arabia Saudyjska

Rok	Liczba ofiar
1990	1426
1994	270
1998	118
2001	35
2004	251
2006	346











Stampede kills more than 700 at Hajj pilgrimage in Mecca

By [Faith Karimi](#) and Schams Elwazer, CNN

🕒 Updated 0529 GMT (1329 HKT) September 25, 2015



LIVE
AT LEAST 717 PILGRIMS KILLED IN HAJJ STAMPEDE
21:36 CET
STAMPEDE OCCURRED DURING THE RITUAL KNOWN AS "STONING THE DEVIL"

Top stories



Trump: Coach-in-chief?



'Ferris Bueller's Day Off' back in theaters





Sieci społeczne



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Facebook helps you connect and share with the people in your life.



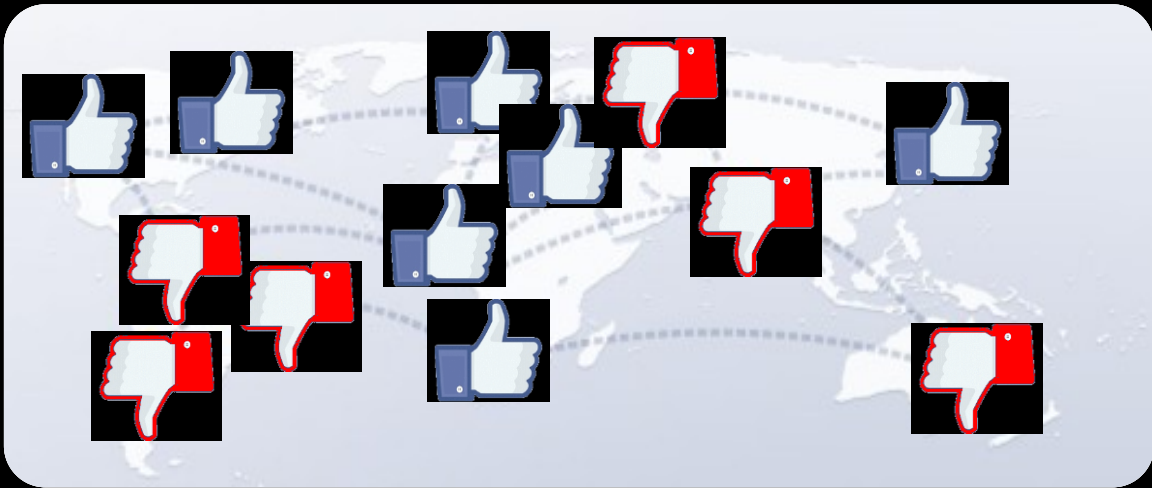
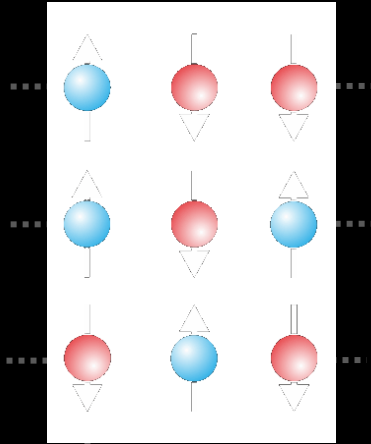


non-GMO vs. GMO

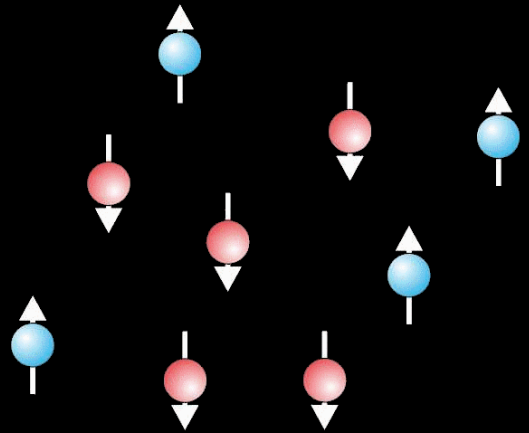
What's the difference?



© AskCoachKim.com
Photographer: Andie Herrebe



A world map with various thumbs up (blue) and thumbs down (red) icons scattered across it, representing global feedback or sentiment.





Liczba węzłów $N = 30$
Średni stopień $\langle k \rangle = 4$

Liczba węzłów $N = 150$
Średni stopień $\langle k \rangle = 2$

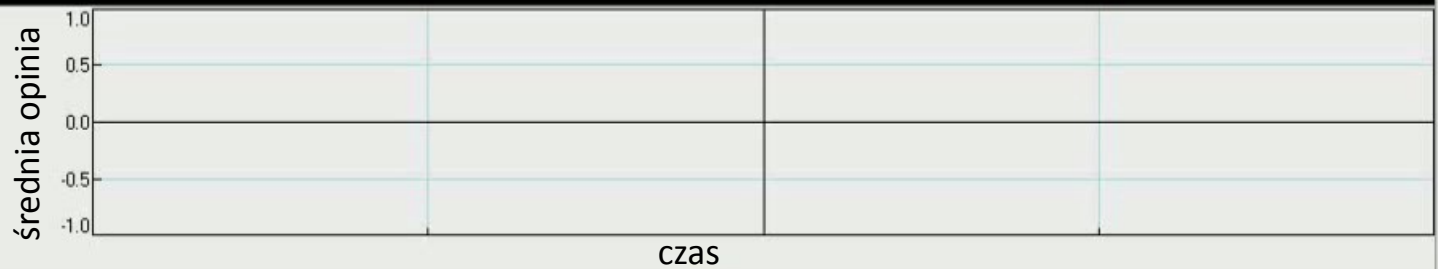
30 osób

150 osób

Start / Restart

Nowe połączenie

Info



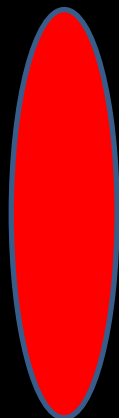
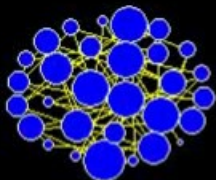


Liczba węzłów $N = 30$
Średni stopień $\langle k \rangle = 4$

Liczba węzłów $N = 150$
Średni stopień $\langle k \rangle = 2$

15 kontaktów

30 osób
60 kontaktów



150 osób
150 kontaktów

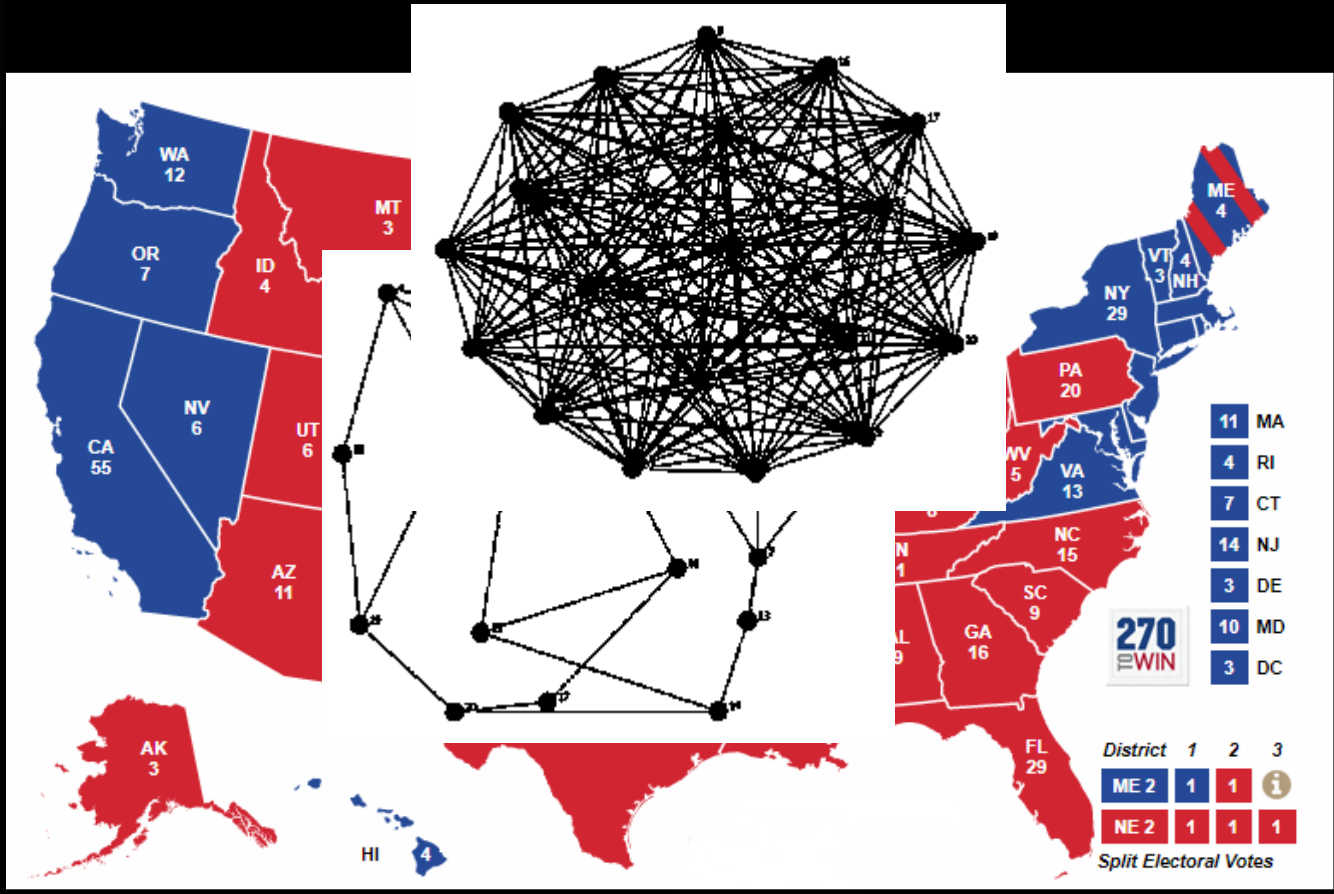
- Start / Restart
- Nowe połączenie
- Info

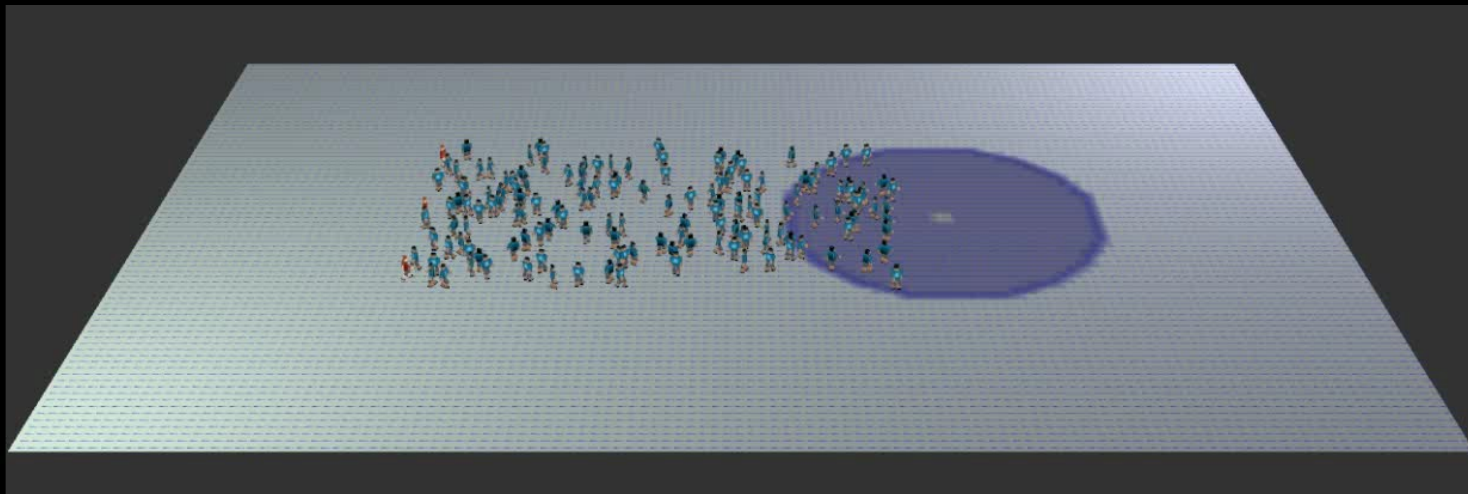
średnia opinia



czas









$$m * \vec{a} = \vec{F}$$