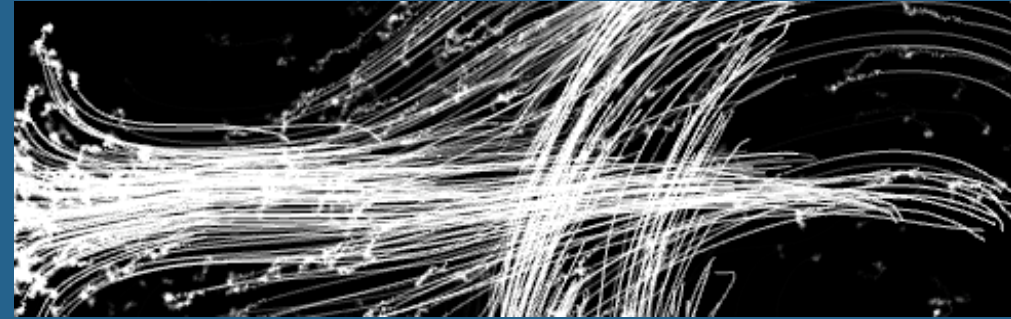
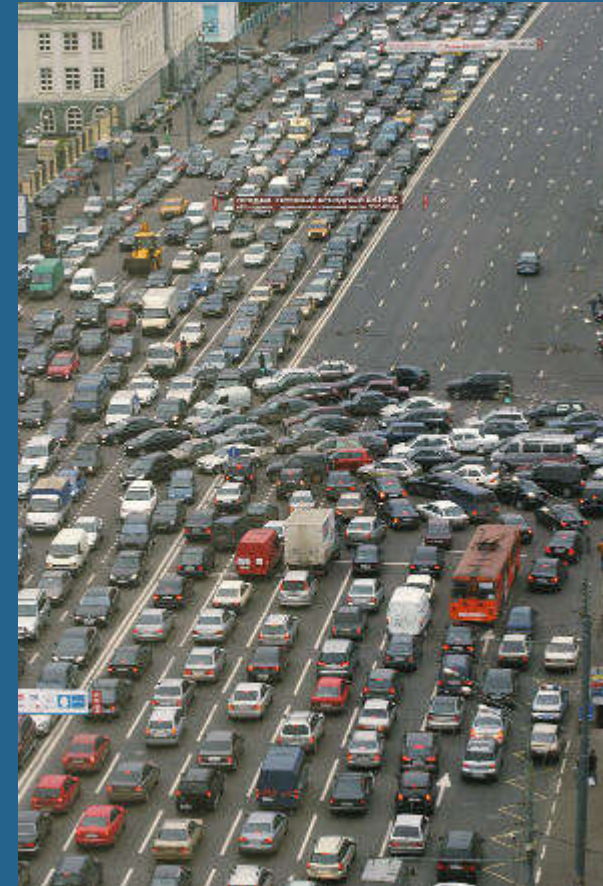


Motorway traffic can be modelled
as a fluid.....

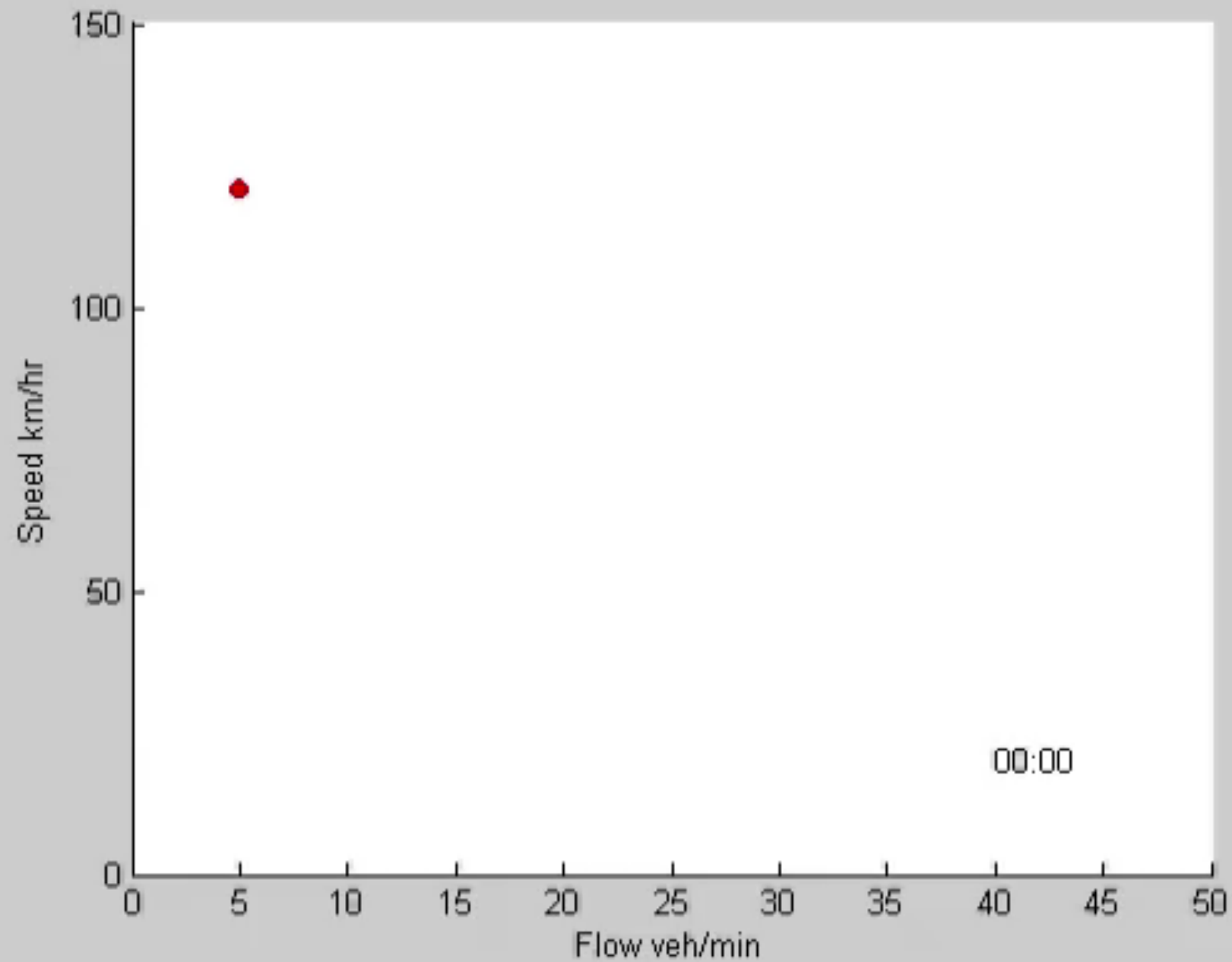


..as long as you accept that all*
the particles in this fluid are self-
centered idiots. **Present audience excepted*



Speed vs Flow

- As traffic builds up, vehicles are delayed by other vehicles, so the average speed drops
- Until the flow gets too high, and a chaotic collapse ('flow breakdown' occurs), and speeds drop substantially.
- Then the flow has to drop significantly before speeds recover.
- Now some videos and pretty pictures





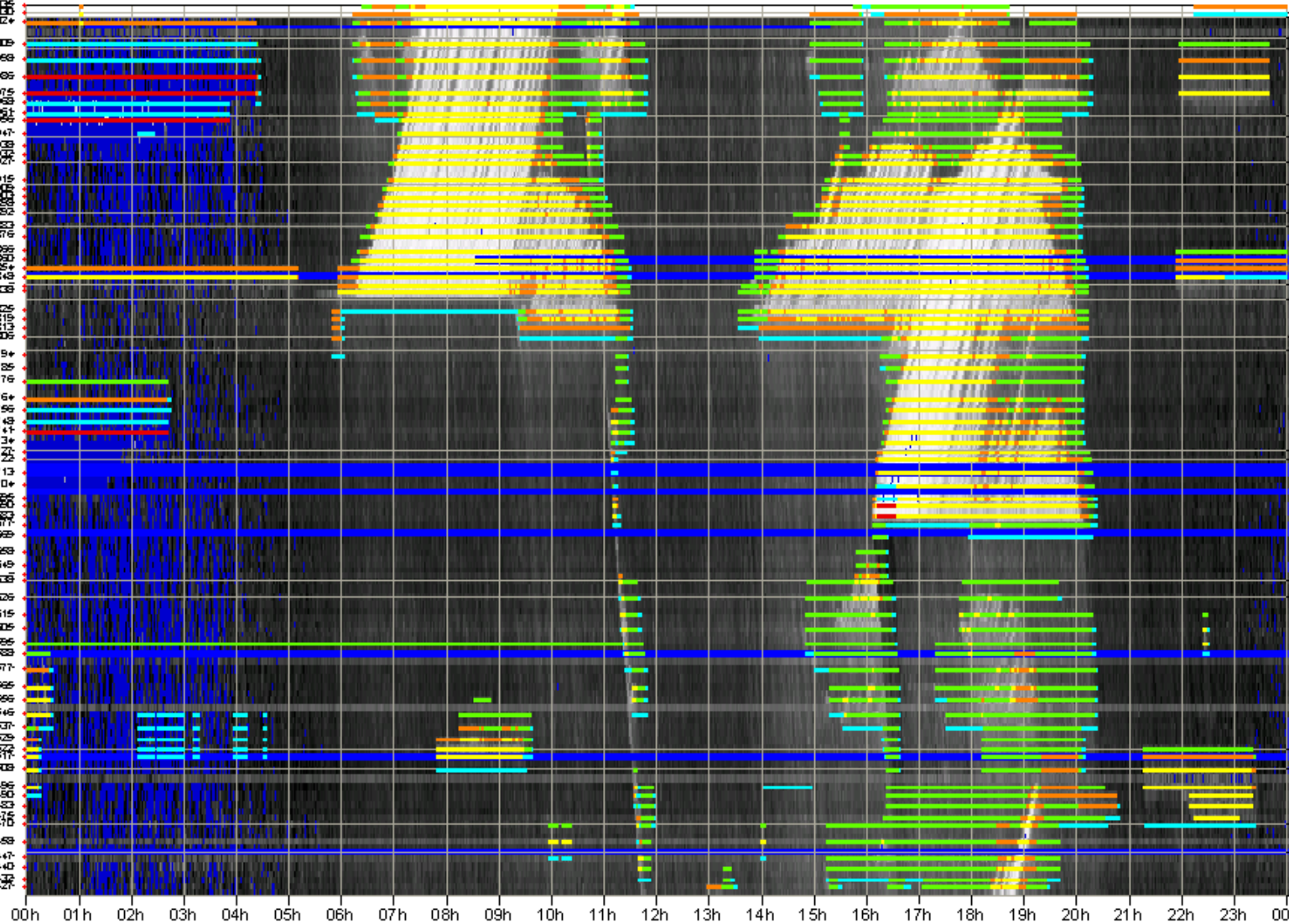
M25 Anti-clockwise (B) from 00:00 Thursday 5-Nov-2015 to 00:00 Friday 6-Nov-2015.
 Background: Offside - 1 Lane Speed



Direction of Travel



LOOP (with h lanes)
 5024B (3)
 5010B (4)
 4998B (4)
 4985B (4)
 4972B (4)
 4959B (3)
 4947B (3)
 4932B (5)
 4919B (4)
 4903B (5)
 4892B (4)
 4879B (5)
 4866B (5)
 4854B (5)
 4842B (4)
 4826B (4)
 4811B (4)
 4797B (3)
 4783B (4)
 4772B (4)
 4757B (4)
 4742B (4)
 4727B (3)
 4713B (4)
 4700B (4)
 4686B (4)
 4672B (4)
 4658B (4)
 4646B (4)
 4633B (4)
 4622B (4)
 4607B (4)
 4592B (4)
 4577B (4)
 4565B (4)
 4551B (4)
 4537B (4)
 4522B (4)
 4508B (4)
 4496B (4)
 4483B (3)
 4470B (3)
 4458B (3)
 4447B (4)
 4435B (4)
 4423B (3)



J16(d2) J16(d)
 J16(m2) J16(m1)
 J15(d)
 J15(m)
 J14(d)
 J14(m)
 J13(d)
 J13(m)
 J12(d)
 J12(m)
 J11(d)
 J11(m)
 J10(d)
 J10(m)
 J9(d)
 J9(m)
 J8(d)
 J8(m)
 J7(d)
 J7(m)
 J6(d)

00h 01h 02h 03h 04h 05h 06h 07h 08h 09h 10h 11h 12h 13h 14h 15h 16h 17h 18h 19h 20h 21h 22h 23h 00h

60mph limit 50mph limit 40mph limit Red X/STOP

Other
 1 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80

0mph/no vehicles No loop data (ie 255)

©TRL MotorGraph V2.4.6 :Data ©HA.

Time of Day



Speed (m ph)

