



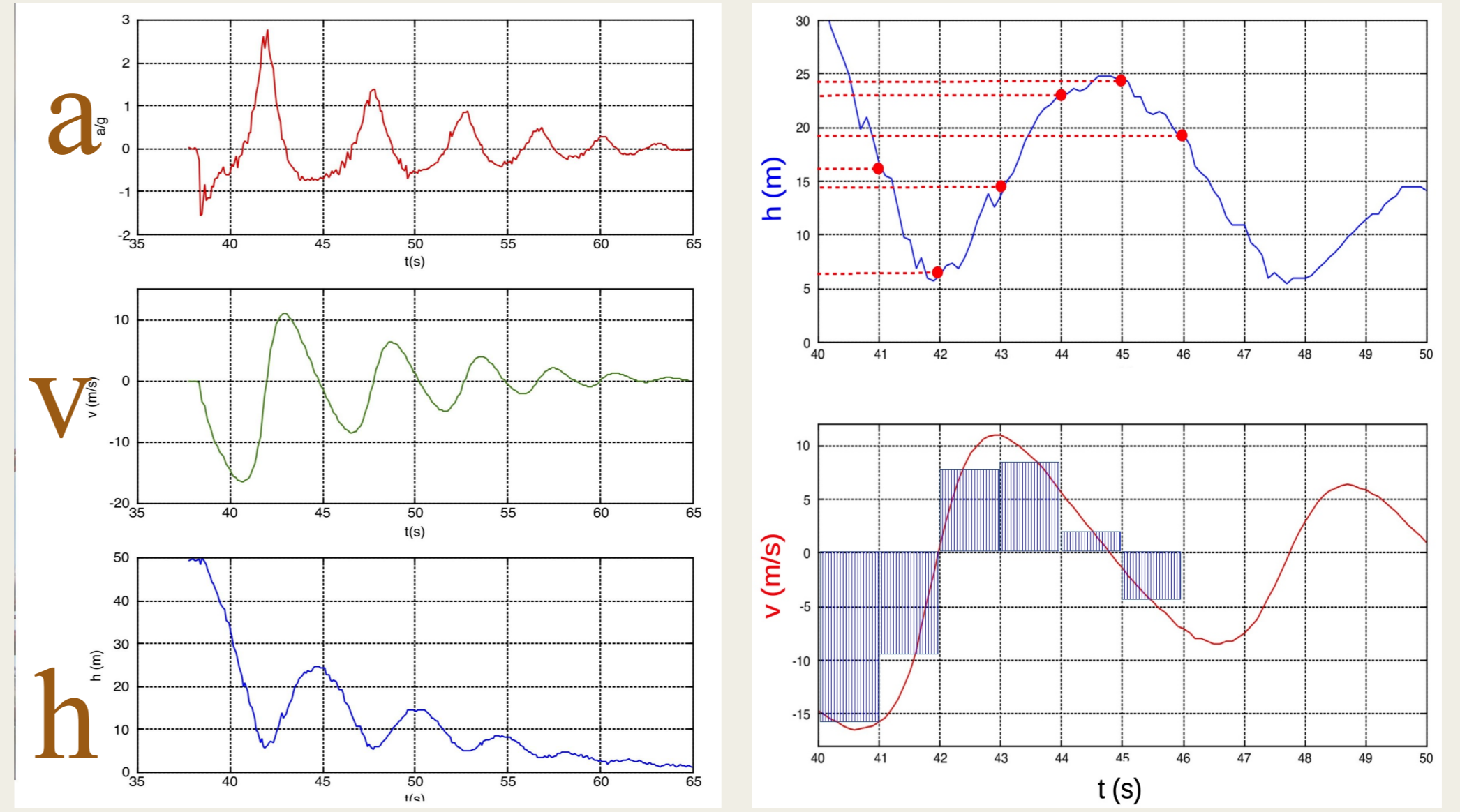
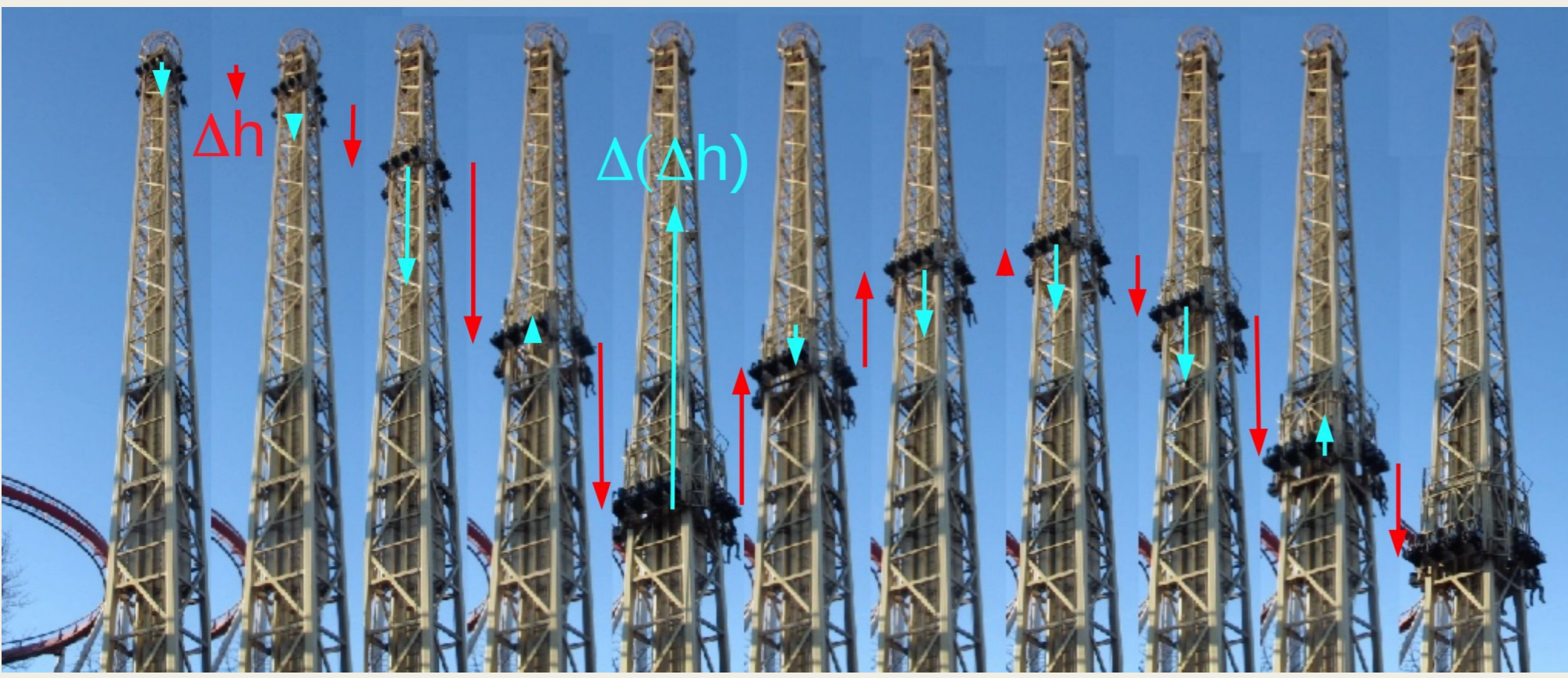
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Images of acceleration - in textbooks, everyday life and amusement rides

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Vertical acceleration: Screen shots
Gylde Tårn drop tower, Tivoli gardens

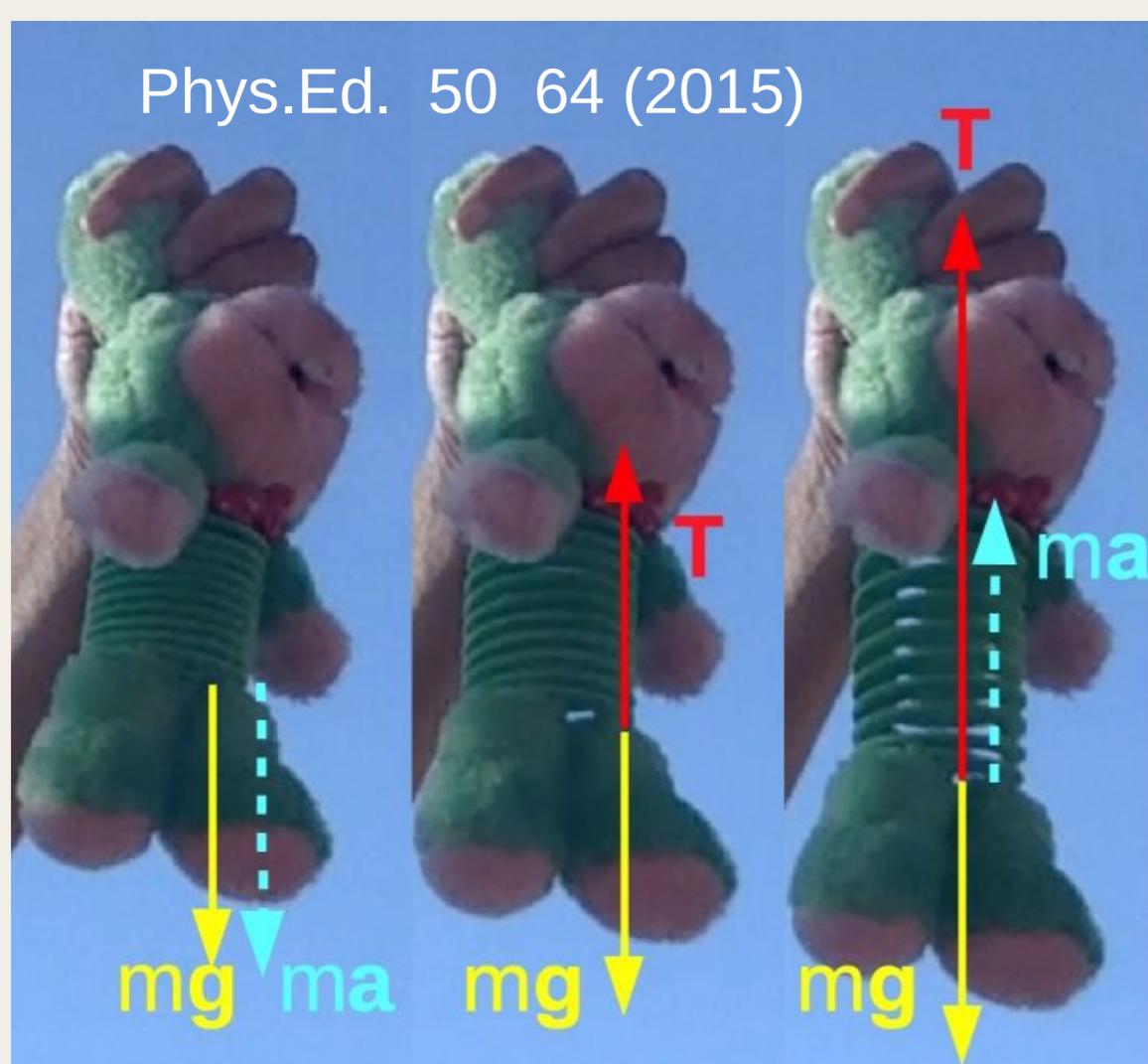


View from inside or outside:
Physics: $a=F/m$ Math: $a = d^2r/dt^2$

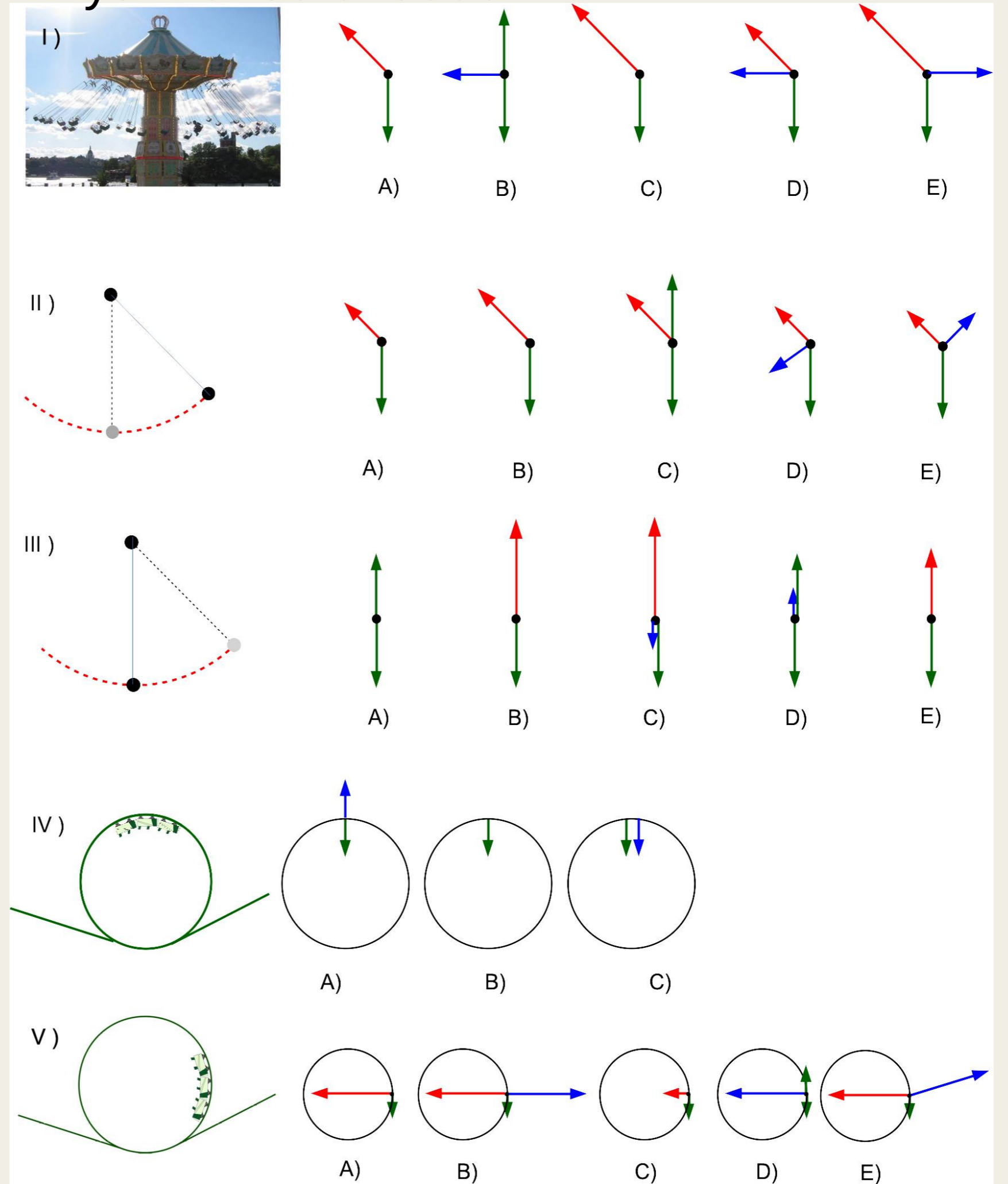
Where do you move the fastest?
Where do you feel lighter than normal?
Where do you feel the heaviest?
Where is the acceleration largest?

MEASURING ACCELERATION WITH PHYSICS

Vertical acceleration



Which free-body diagram strategies?
Phys. Ed. 55 045006



What accelerations do you see?



Upcoming book (AAPT)
Physics for the whole body in playground and
amusement park (400 pages)

This poster, with links to papers and more
<https://tivoli.fysik.org/npd2021/>

