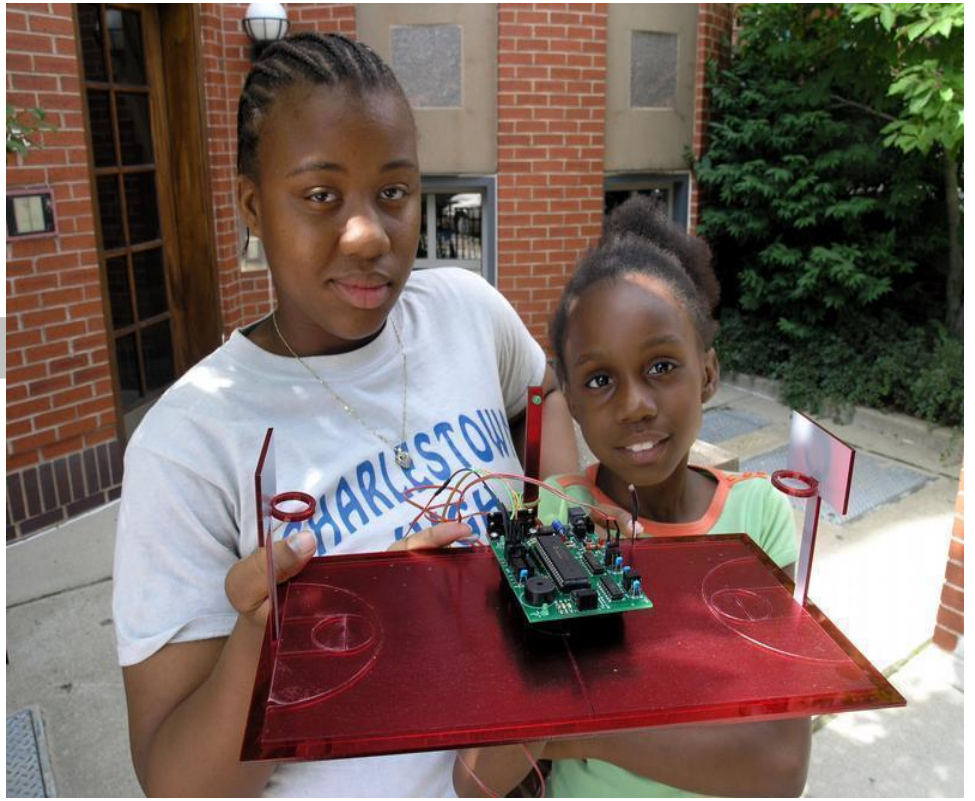
High-quality Education as a Basic Human Right

David Cavallo
Vice-president: Learning
OLPC

cavallo@laptop.org http://laptop.org

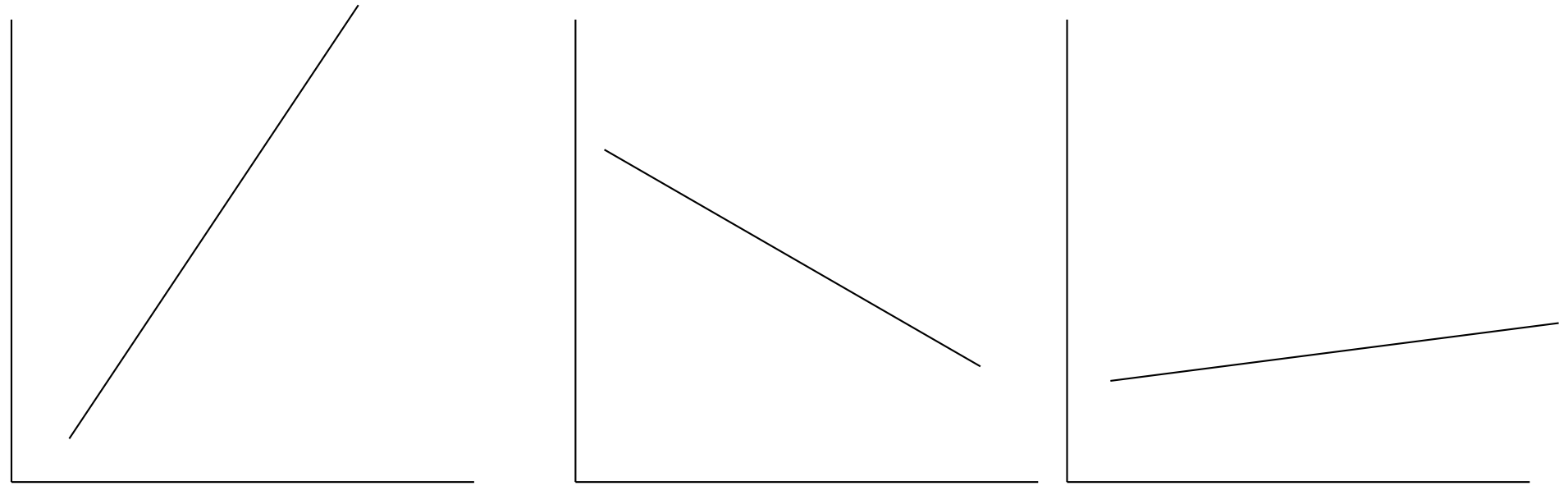
This works are licensed under a Creative Commons Attribution 2.5 License.

Dynamic equilibria



This works are licensed under a Creative Commons Attribution 2.5 License.

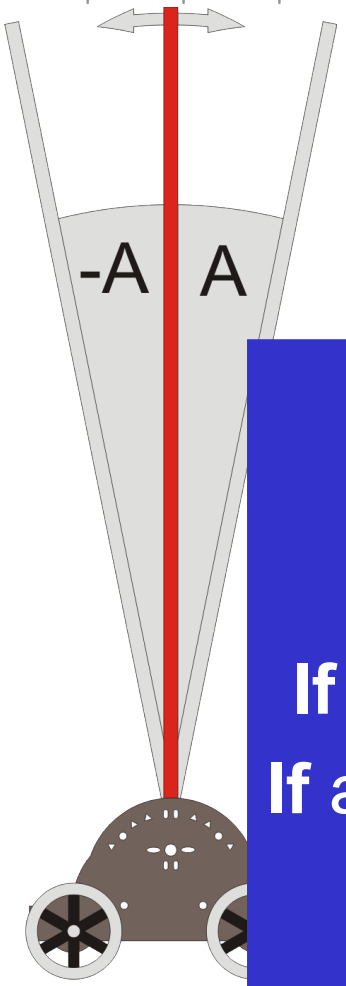
What content do we teach? Why?

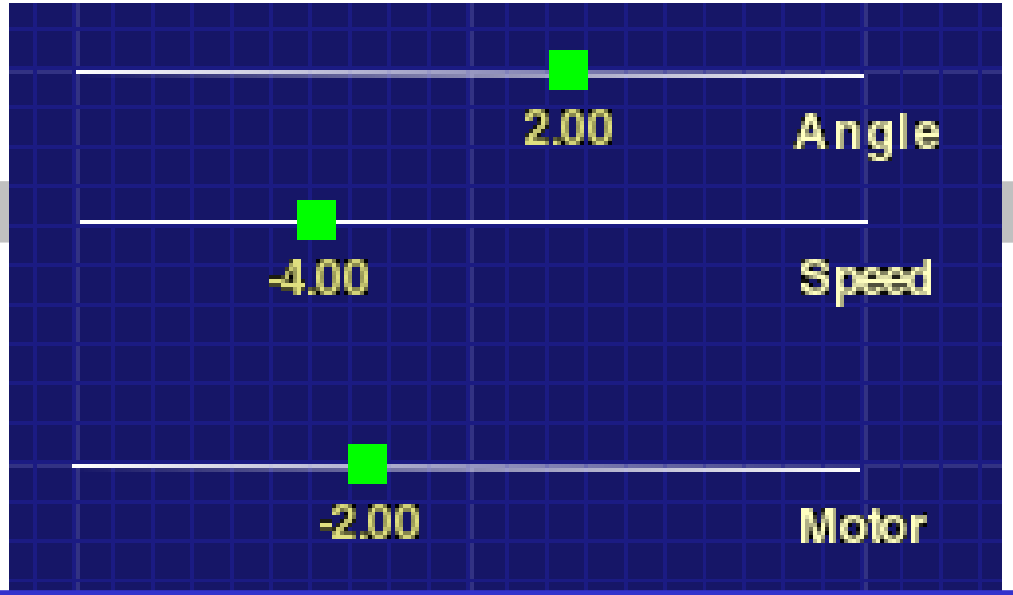


$$y = mx + b$$

This works are licensed under a Creative Commons Attribution 2.5 License.

Content





If angle > 0 **and** speed > 0 **[** moveRight **]**

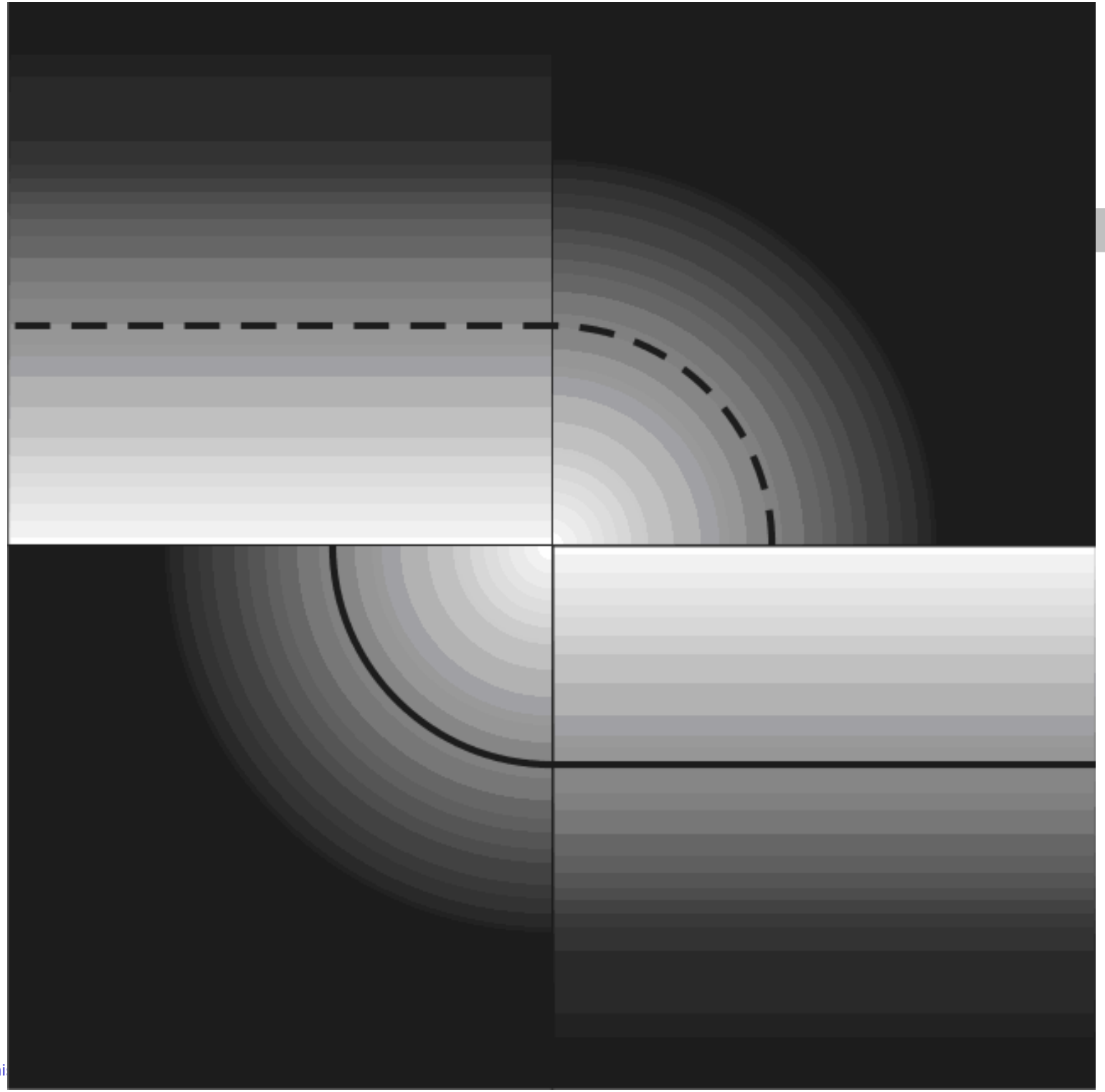
If angle < 0 **and** speed < 0 **[** moveLeft**]**

If angle < A **and** angle > 0 **and** speed < 0 **[** moveLeft **]**

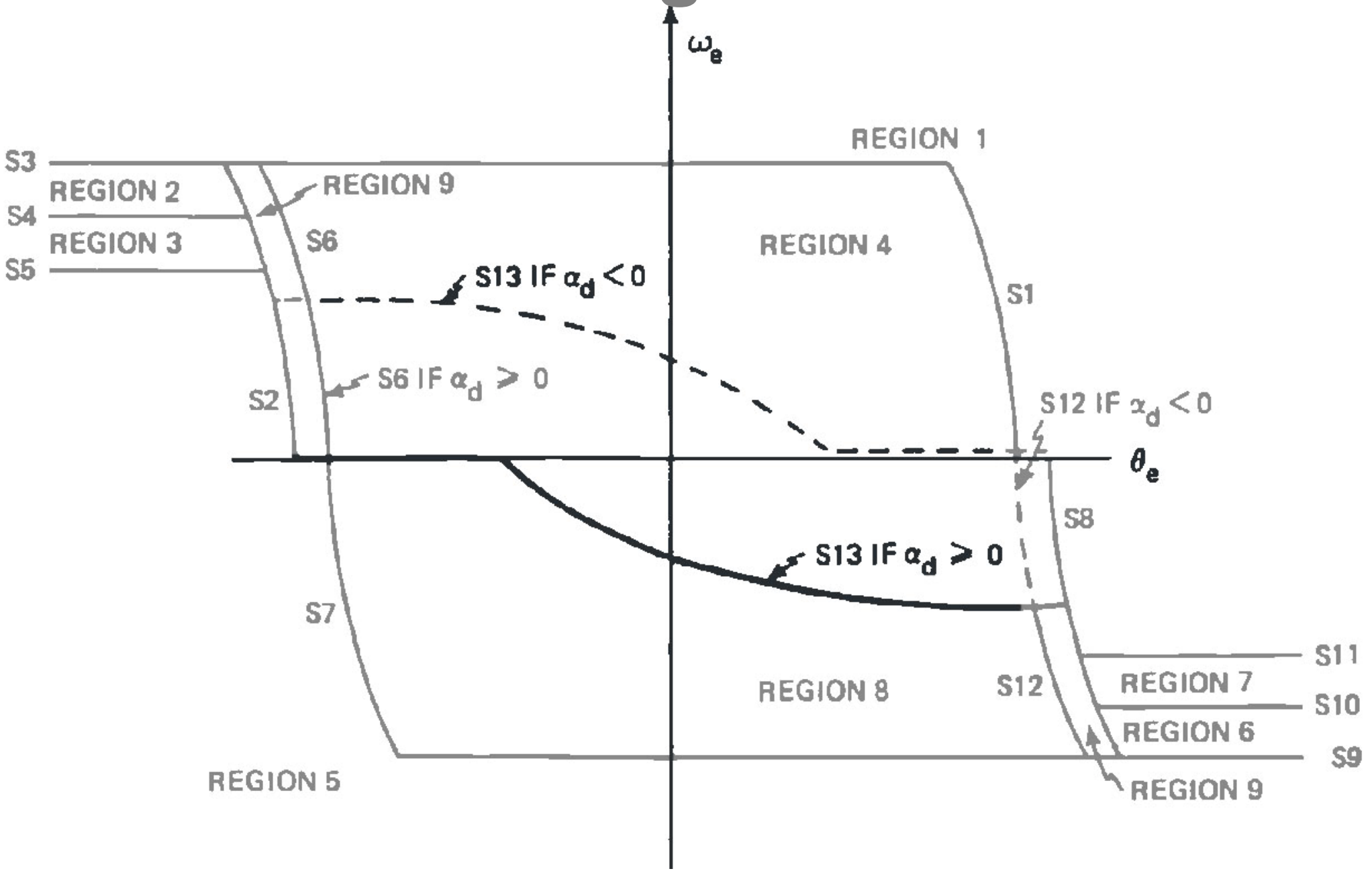
If angle > -A **and** angle < 0 **and** speed > 0 **[** moveRight**]**

Adam and Alex's discrete method

This works are licensed under a Creative Commons Attribution 2.5 License.

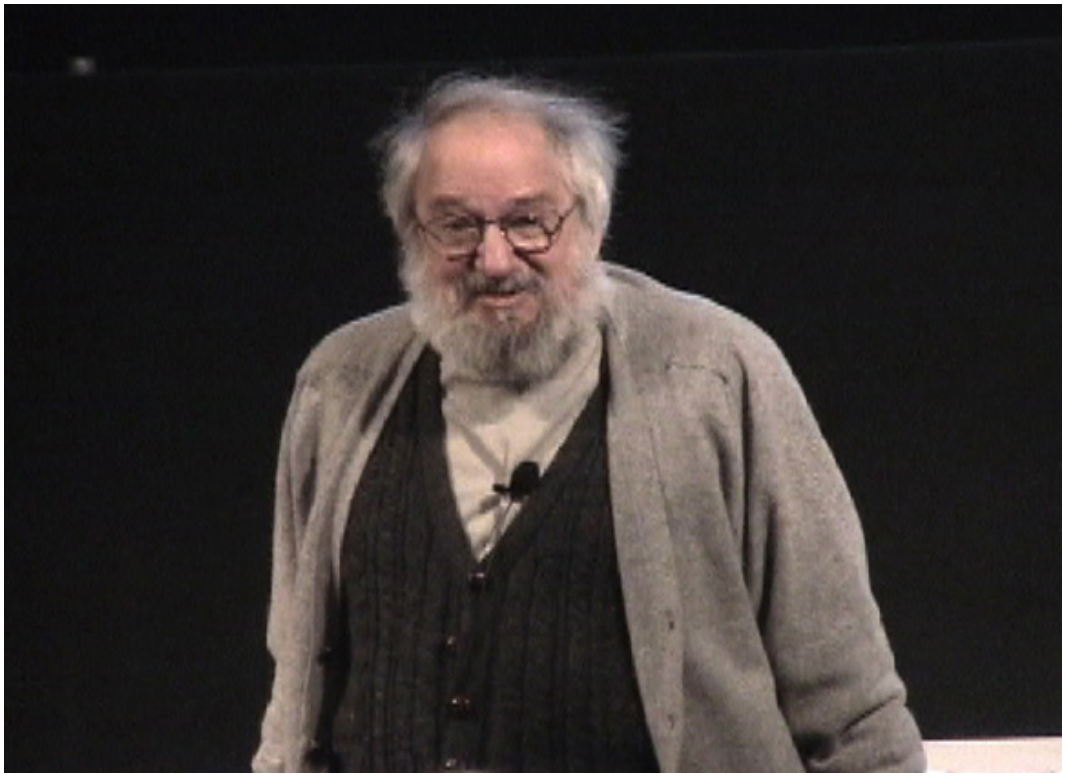


Phase Plane Logic Control



This works are licensed under a Creative Commons Attribution 2.5 License.

Seymour Papert: Vision of children, computers, and powerful ideas



This works are licensed under a Creative Commons Attribution 2.5 License.

Steps towards a different world

- Children lack opportunity—not capability
- Do not become used to the status quo when the status quo is not desirable
- Aim for the future—do not re-create the past

This works are licensed under a Creative Commons Attribution 2.5 License.

High quality education for all

- High-quality education is the basis for solving the world's problems
- Computational technology provides a basis for dramatically improving the quality of education for all
- So long as the cost of computers remains artificially high, then only the elite can benefit
- The major obstacle after cost is mindset

This works are licensed under a Creative Commons Attribution 2.5 License.