USING MATHEMATICA TO CREATE INTERACTIVE PHYSICS APPS

TATSU TAKEUCHI

VIRGINIA TECH

OCT. 24, 2020 @ CSAAPT VIRTUAL FALL MEETING

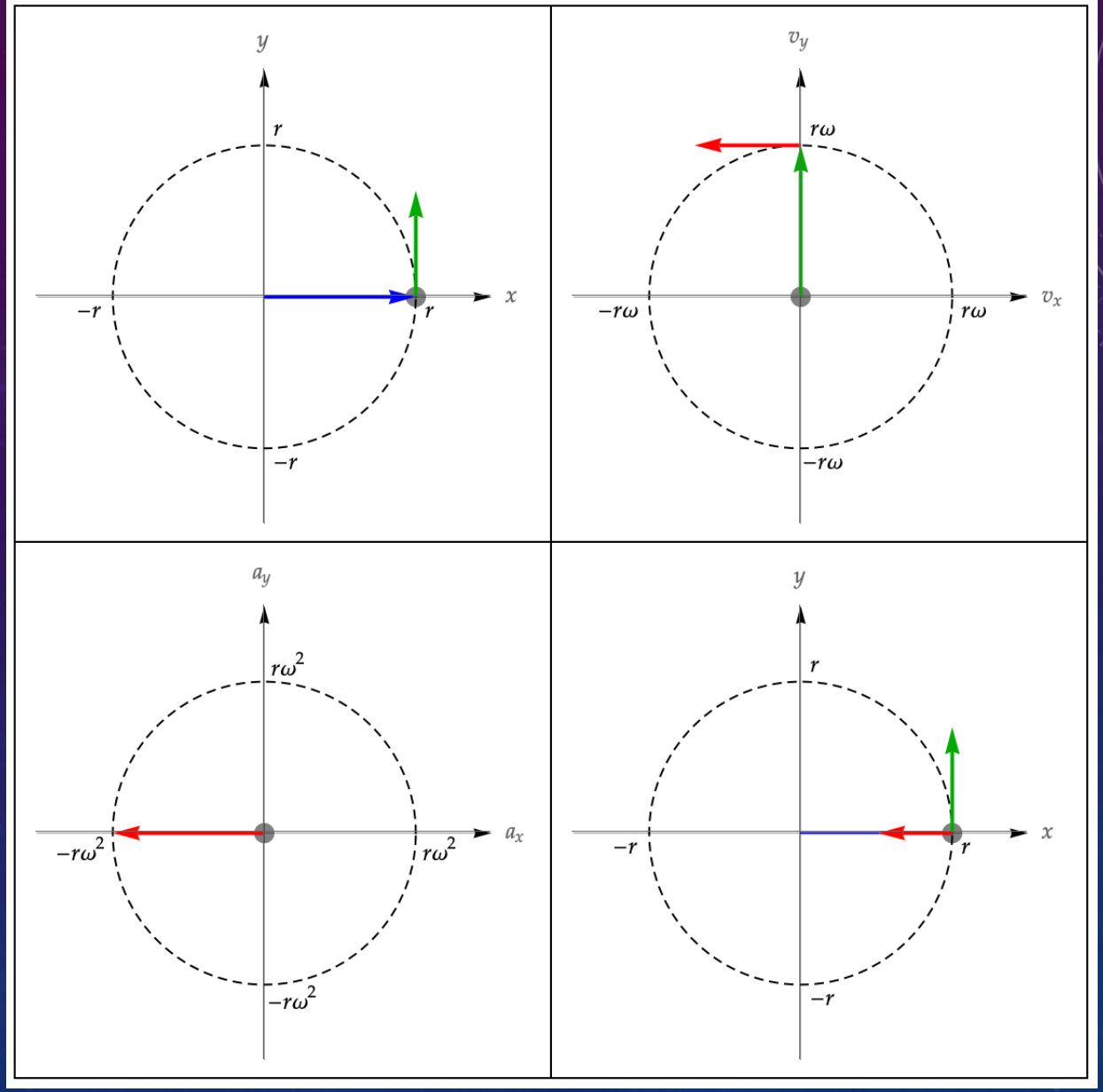
MATHEMATICA

- Most 4-year Universities and Colleges have site licenses that provide free access to faculty and students

- Educational pricing available:
  Educators (personal) : subscription $124/year, or purchase $248
  Students (personal) : subscription $83/year, or purchase $166

- Apps created on Mathematica can be played on Wolfram Player, which can be downloaded for free from: https://www.wolfram.com/player/

- Many useful features for teaching Physics:
  - Can create figures, animations, interactive apps
  - Can generate sound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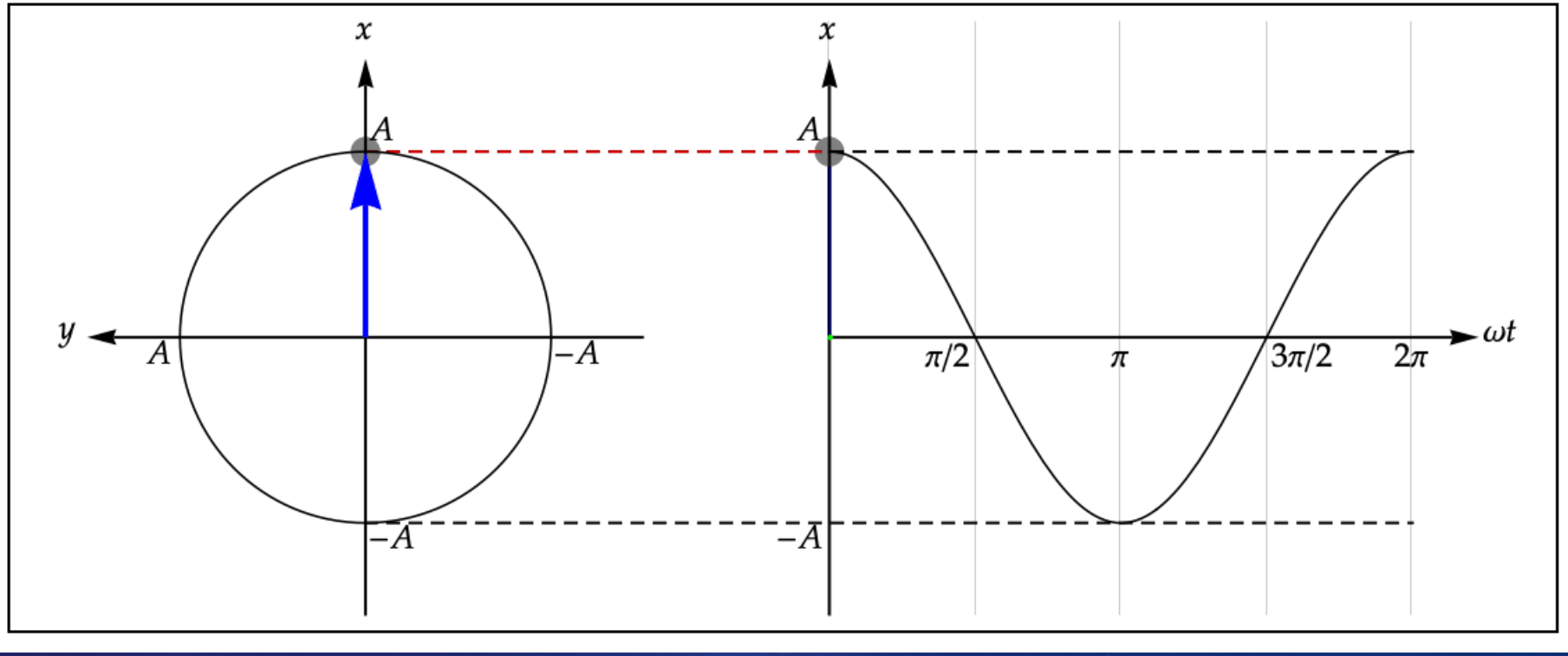
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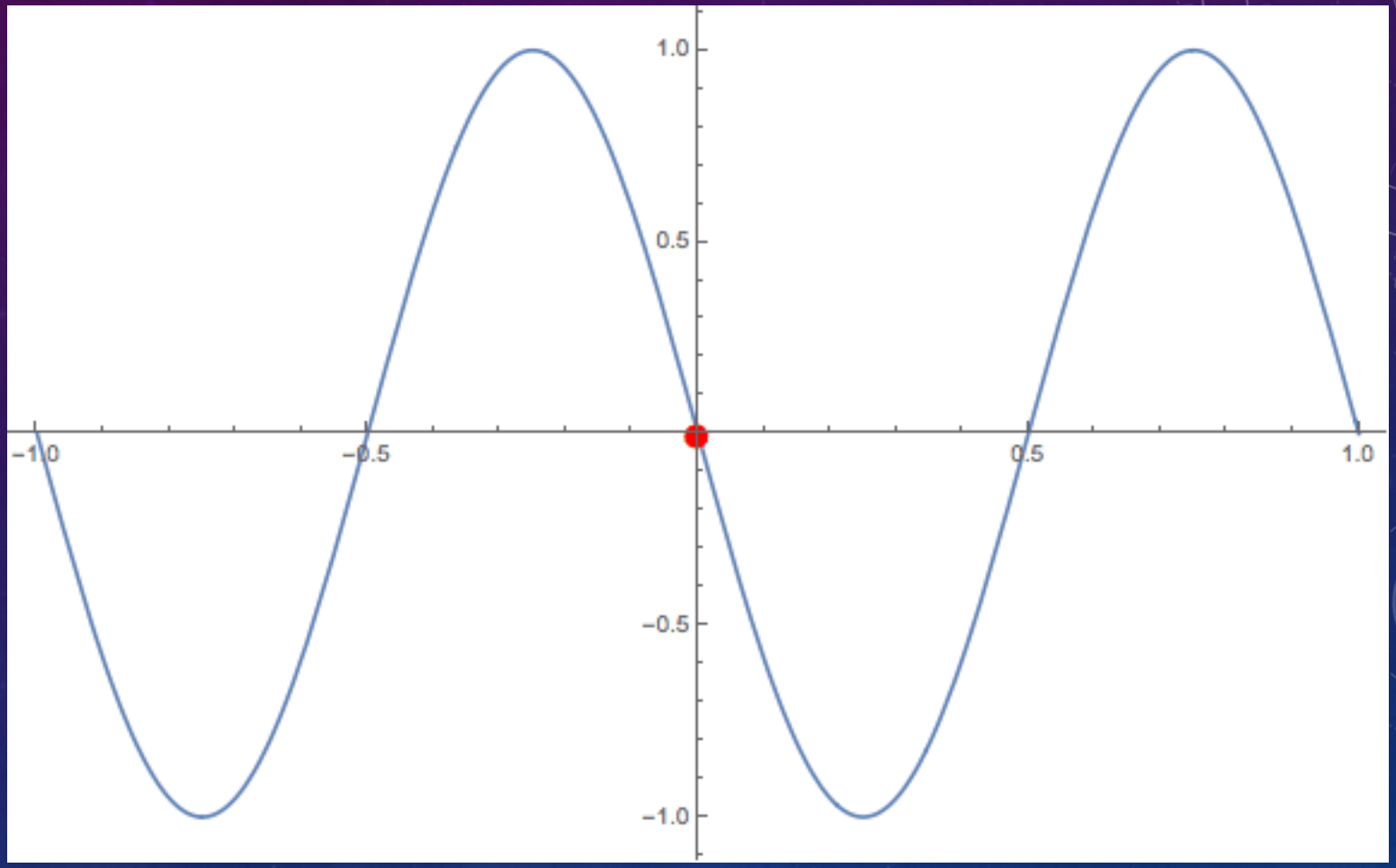
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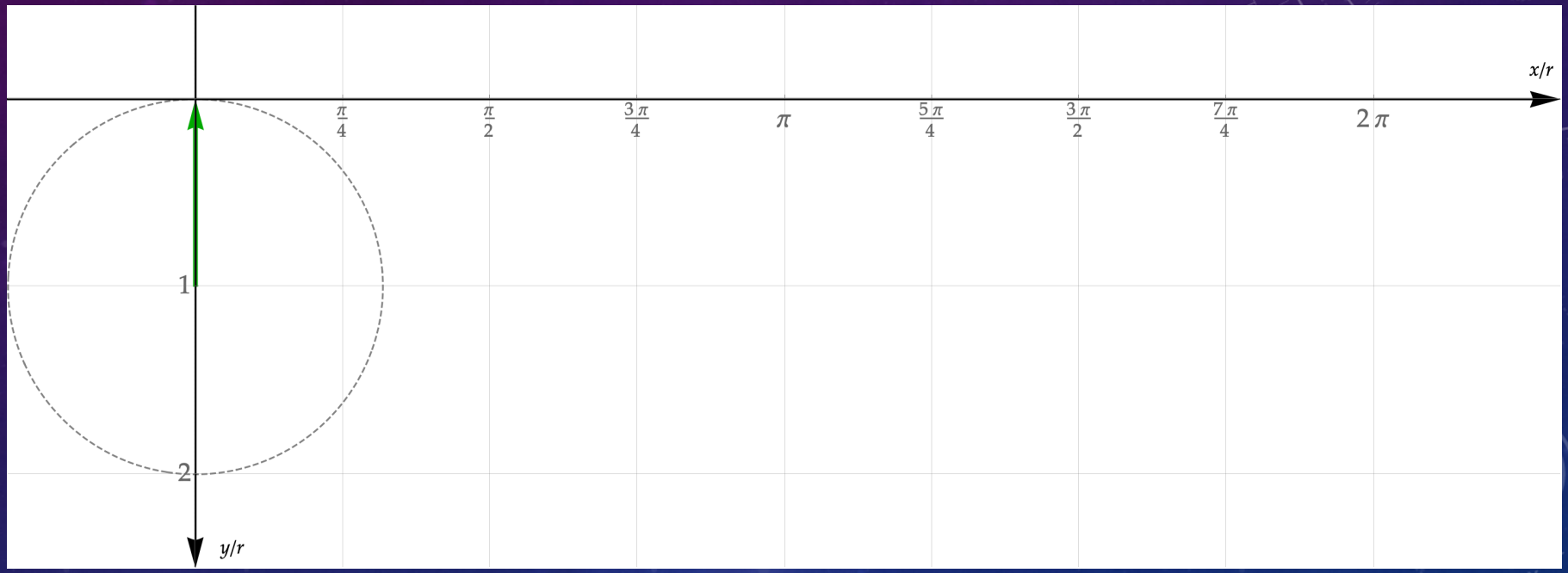
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$\frac{7\pi}{4}$
2π
1
-2
y/r

FOR MORE INFO:

- takeuchi@vt.edu

- http://www1.phys.vt.edu/~takeuchi/Tools/