Technologies and Integrity

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Overview

- Technology spectrum
- Self-assessment
- Share out
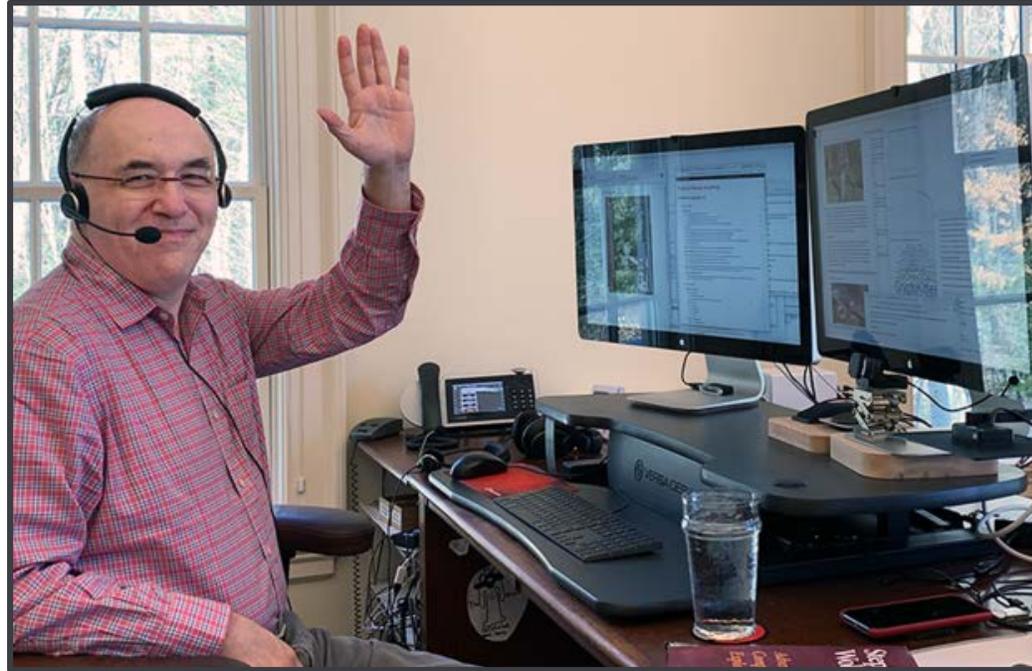- Next steps

Technology spectrum

- Detection, deterrence, and prevention of misconduct
    - Similarity scoring (Turnitin, SafeAssign)
    - Identity verification
    - Web crawler tools
    - Case management (Maxient)
    - Proctoring software (RPNow, Proctorio, Proctor U, Respondus)

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Technology spectrum

- Writing, research, and citation
  - Citation management (Noodle, RefWords)
  - Writing support (Grammerly, WriteLab, Diff Checker)
  - Research collaboration (Mendeley)

Wolfram/Alpha – Now it is computational essays

- Wolfgram/Alpha has replaced the slide rule and calculator.

- Most search answers give a list of answers. Not only does Wolfgram/Alpha gives the answer. It provides a step-by-step solution to the problem.
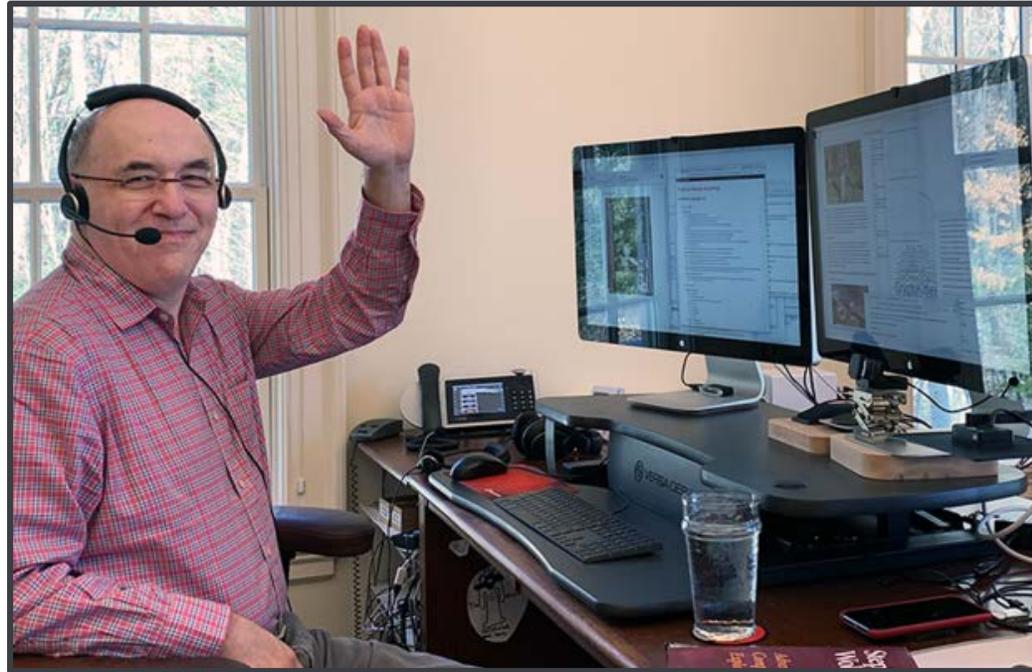

Stephen Wolfram. Source: His blog

- In education, checking the step-by-step process was part of the learning process (e.g. multiplication tables) and checking the work.

- What was once considered unacceptable is now a staple tool used by students and professionals alike.

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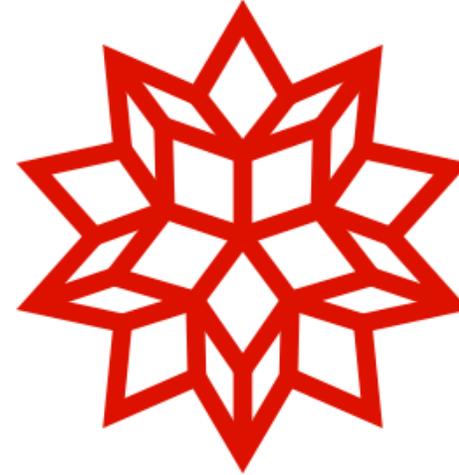# Wolfram/Alpha – Now it is computational essays

- It is a new language.

- It is a collaboration between the human author and the computer.

- It facilitates student exploration and discovery. It affects the humanities (i.e. any topic area),

- Need a paper written. It can adapt to the author's style.

- Professionals will use it to enhance their writing…. Students will use it to learn how to write better… Students will enhance their writing with it …. It is already here…. It is a new teaching paradigm.

Stephen Wolfram. Source: His blog

Wolfram/Alpha – Now it is computational essays

- Does the internet provide an unfettered source of information.

- What is the role of the faculty in the educational process in the future?

- With AI, is there a need for faculty or will we go the way of truck drivers in 15-20 years?

- How will the role of faculty change with the instant technological tools like Wolfram/Alpha and computational essays.

- What are the new norms?

- Wolfram is big business. How is technology and big business changing the educational landscape?

Wolfram's Spikey
Source: His blog

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Self-assess

With your team members, briefly self-assess your institution's current state with respect to technologies and integrity.

- What is the level of awareness/support/use of this type of technology at your institution? (low, medium, high, variable etc.)
- How and to what extent does your institution resource and support this type of technology?
- How does or could your institution manage this type of technology (centrally, unit-by-unit etc)?

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Next steps

With your team members, begin to define potential next steps to advance awareness, planning, or other action at your institution related to the use of integrity-related technologies.

- What are the top one or two biggest areas of opportunity related to technology and integrity at your institution?
- Who are the key stakeholders who are involved or would need to be brought into the discussion?
- What are potential obstacles or challenges that need to be accounted for in this work?

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Wrap up