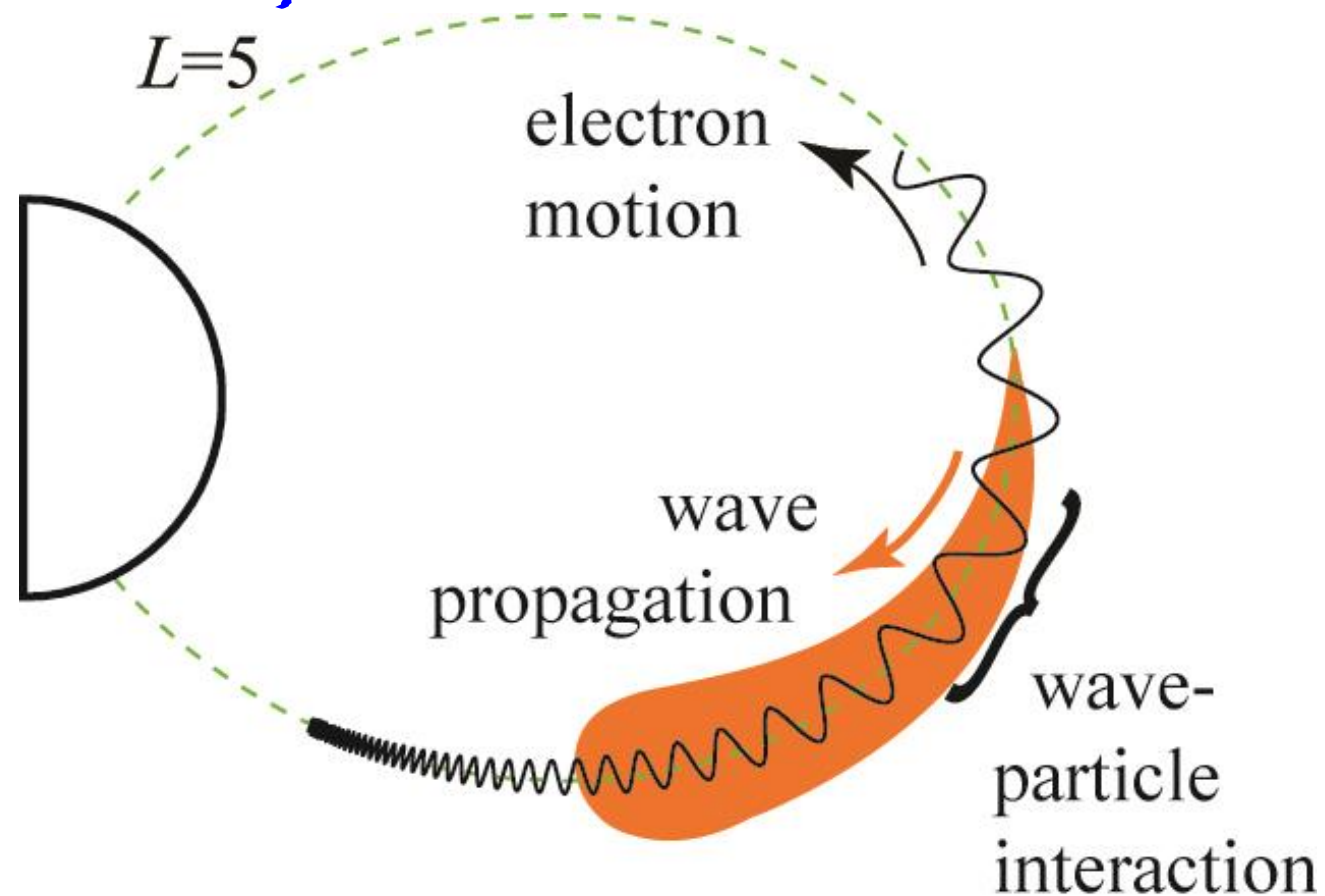


Space Physics Master's Course

Lecture 12

Wave-particle interactions



The Shortest Physics Paper Ever Published

The Ratio of Proton and Electron Masses

FRIEDRICH LENZ
Düsseldorf, Germany
(Received April 5, 1951)

THE most exact value at present¹ for the ratio of proton to electron mass is 1836.12 ± 0.05 . It may be of interest to note that this number coincides with $6\pi^5 = 1836.12$.

¹ Sommer, Thomas, and Hipple, Phys. Rev. **80**, 487 (1950).

Boarding pass for Artemis II flight



BOARDING NOW

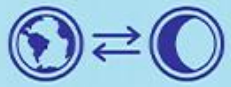


National Aeronautics and Space Administration

M2M2026238900AII

BOARDING PASS: ARTEMIS II

Ioannis Daglis



ROCKET
SLS (SPACE LAUNCH SYSTEM)



SPACECRAFT
ORION

LAUNCH SITE
KENNEDY SPACE CENTER, FLORIDA

DESTINATION
AROUND THE MOON



WISEMAN
GLOVER
KOCH HANSEN

COMMANDER: REID WISEMAN
PILOT: VICTOR GLOVER

MISSION SPECIALIST: CHRISTINA KOCH
MISSION SPECIALIST: JEREMY HANSEN

MILEAGE EARNED: 685,000 MILES

EX LUNA, SCIENTIA

<https://www3.nasa.gov/send-your-name-with-artemis/>



BOARDING NOW



National Aeronautics and Space Administration

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Μουσικές προτάσεις της ημέρας

Fly me to the Moon – Diana Krall

<https://youtu.be/-b8brVSAAQA?si=kK6AjOJhDtK2Xj3C>

Moonchild – King Crimson

<https://youtu.be/DnYDqv8-UE?si=ccorhloHLhkWuC4z>

Moonlight shadow – Mike Oldfield

<https://youtu.be/e80qhyovOnA?si=5ElkQjDaeMP3uLc>

Χάρτινο το φεγγαράκι – Μάνος Χατζιδάκις, Μελίνα Μερκούρη

<https://youtu.be/p5a-nMJ8dtg?si=fJplbhhYAlksOCrf>

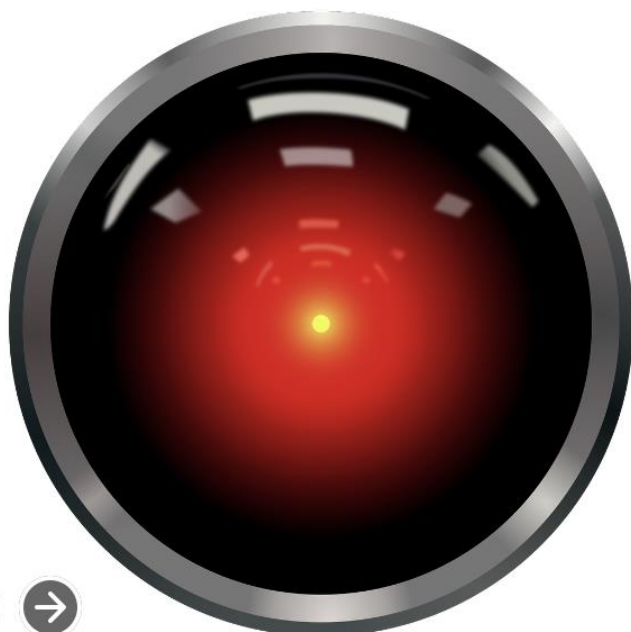
Χάρτινο το φεγγαράκι – Χατζιδάκις, Παπάζογλου, Σαββόπουλος, Πασπαλά

<https://youtu.be/8prZeNkNs9M?si=FdiAmBoFRppvfx-8>

Η Τεχνητή Νοημοσύνη στην Επιστημονική Φαντασία και στην πραγματικότητα

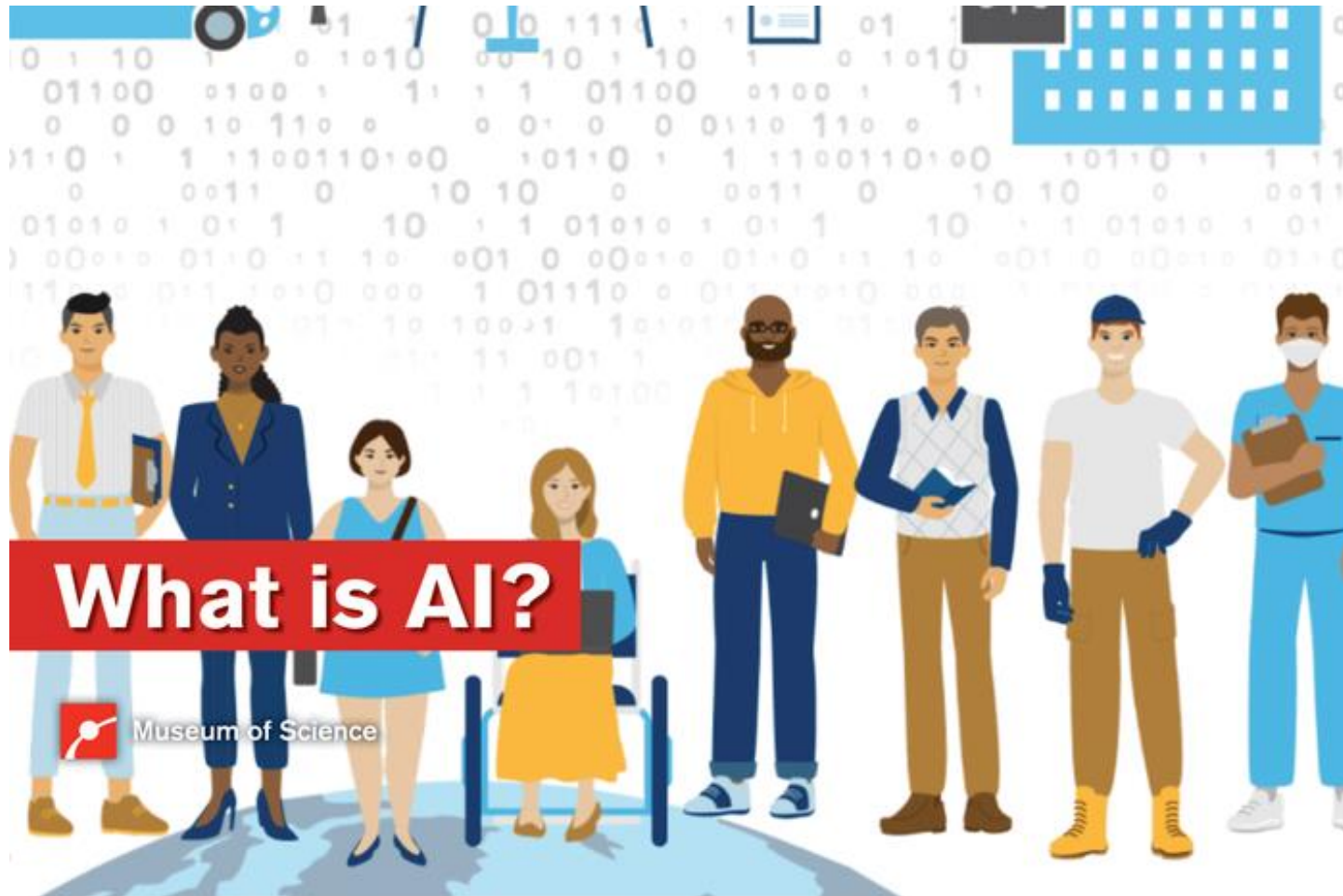
Ιωάννης Α. Δαγκλής
Καθηγητής Διαστημικής Φυσικής
Εθνικό και Καποδιστριακό Πανεπιστήμιο Αθηνών

Space Odyssey
HAL 9000



What is AI?

https://kahoot.it/challenge/04246500?challenge-id=916d30a9-1442-4bc8-ae79-381942bf30e5_1765046914641



CIMON - Crew Interactive Mobile CompanioN

https://www.youtube.com/watch?v=A_TXc9G4xv0

https://www.youtube.com/watch?v=HE0LQ2y_-Pk