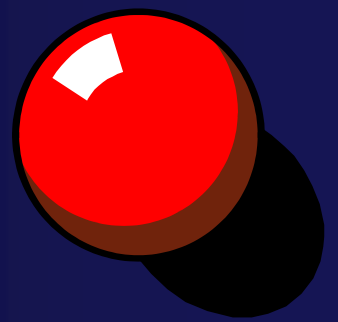
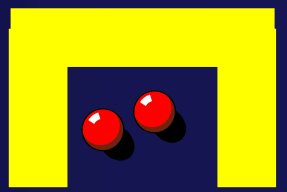
Maslab Scoring

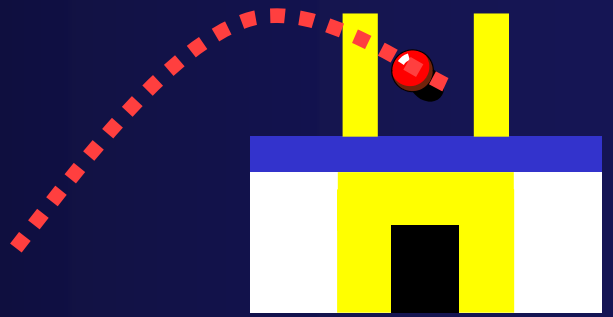
1 Point Possesion of red ball



3 Points Ball through yellow hole



5 Points Field Goal!
Ball between yellow uprights



Anagrams!

- Rearrange the letters below to spell an exciting IAP activity

Assembles a mutinous lobotomy

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Assembles a mutinous lobotomy

=

Mobile Autonomous Systems Lab

Did you know???

- Maslab's most popular majors are:
  - Course 6 — Electrical Engineering & Computer Science
  - Course 18 — Mathematics
  - Course 2 — Mechanical Engineering
  - Course 16 — Aeronautics and Astronautics

Advanced Circuits fabricates circuit boards for Maslab based on our custom designs

MITOPENCOURSEWARE

Maslab course material will be posted online thanks to the generosity of MIT Open Courseware

http://ocw.mit.edu

Maslab Quiz!

- What do the letters PSoC stand for?
  - Penn State Outing Club
  - Philalethes Society
  - Princeton Sewer Operating Committee
  - Programmable System On Chip

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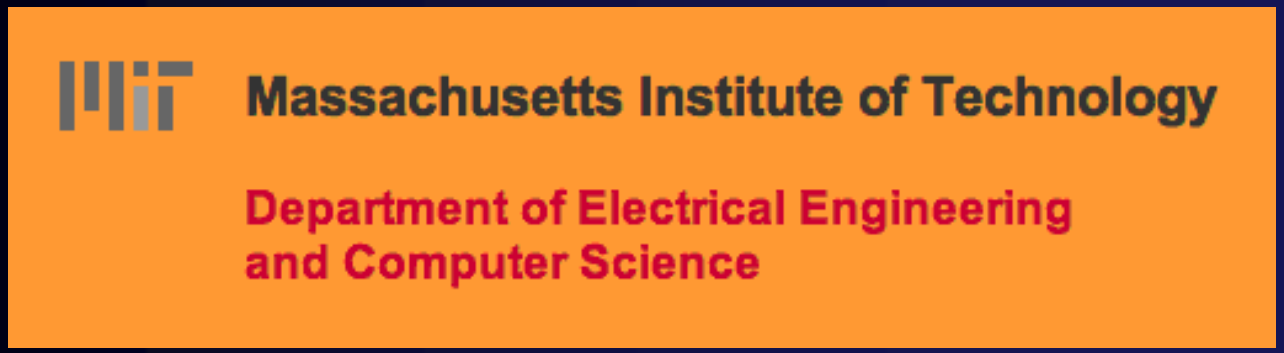
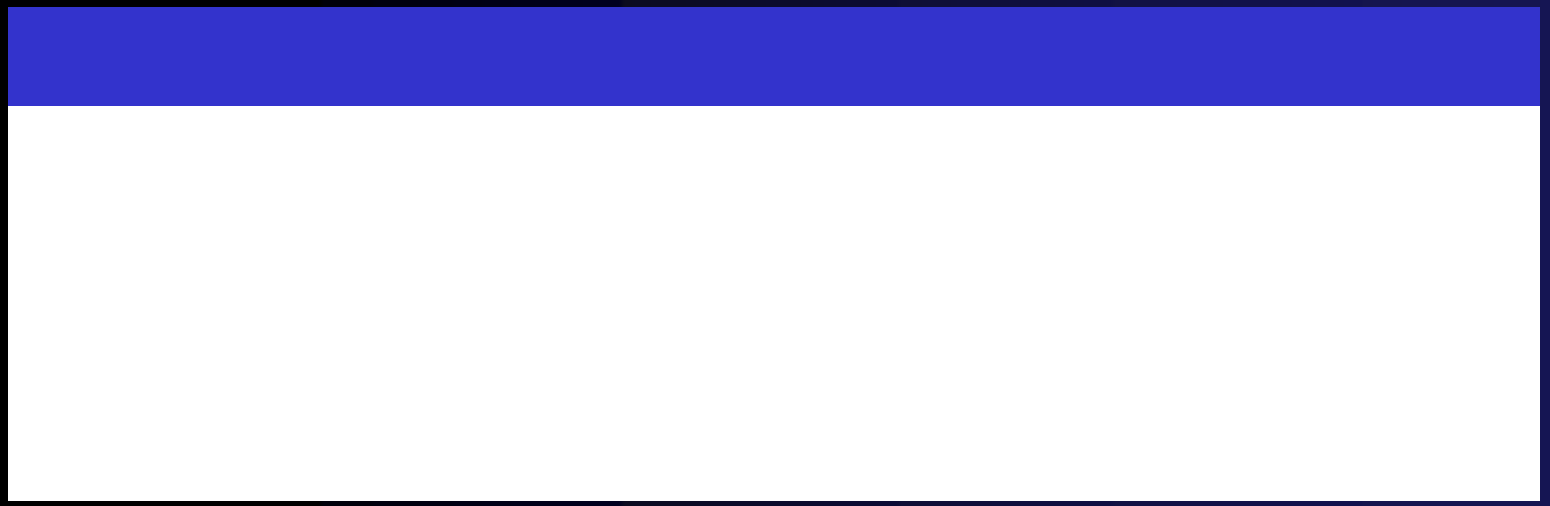
PSoCs from Cypress Microsystems are an crucial component for controlling the robots

Maslab is brought to you by the letters M,I,T,E,E,C,S!



Maslab trivia

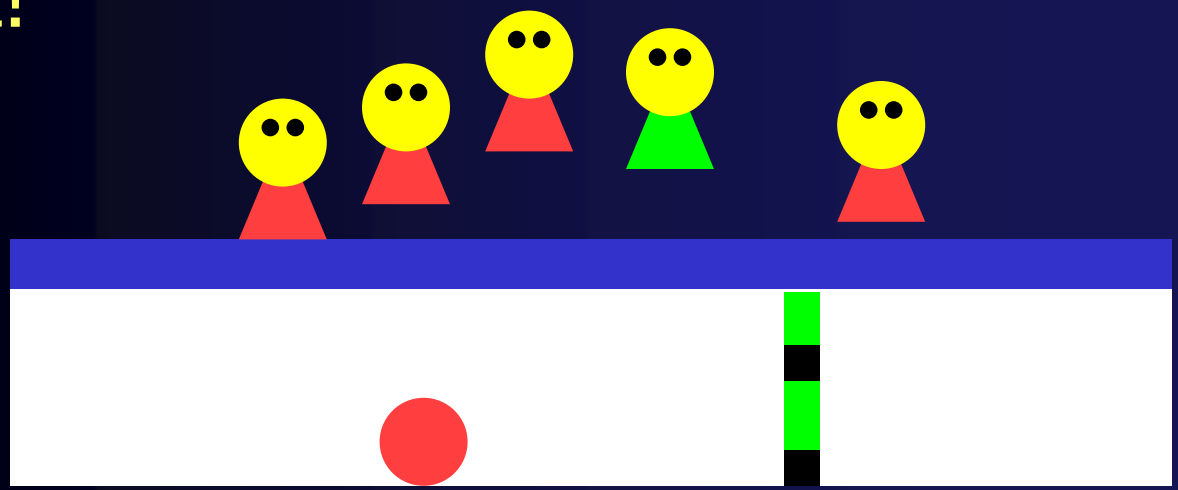
Q. Why is there a blue line at the top of the wall?



Maslab trivia

Q. Why is there a blue line at the top of the wall?

A. The robot ignores anything above the line. That keeps it from seeking out items outside the playing field… Like your red or green shirt!



Maslab trivia!

- Which of the following was NOT the inspiration for a former Maslab robot?
  - Fluffy white rabbit
  - Ankur’s Mom
  - Tom Brady
  - The Stata Center

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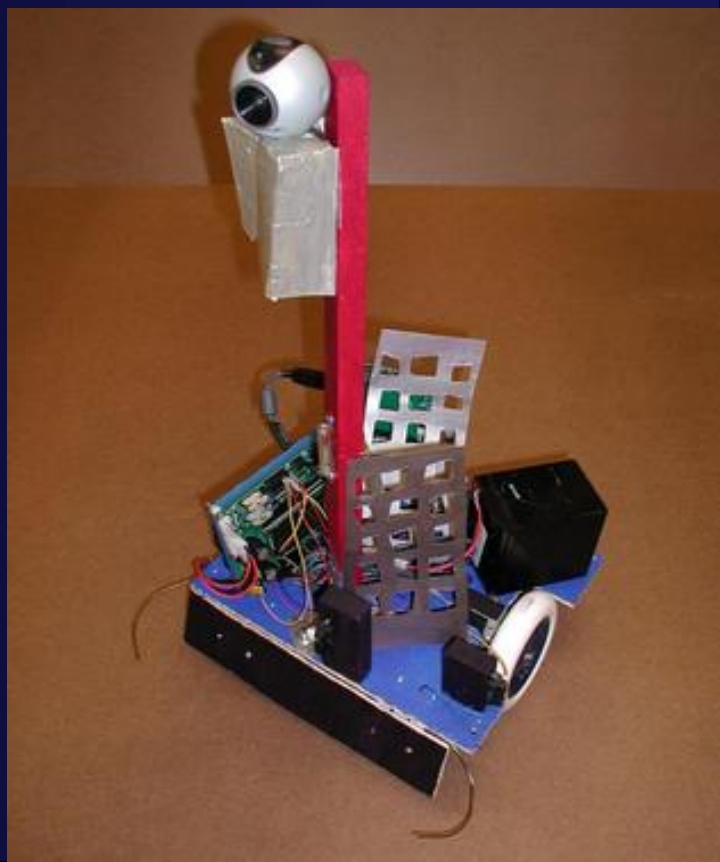

Maslab trivia!

- Which of the following was NOT the inspiration for a former Maslab robot?

  - Tom Brady

- Tom Brady has never inspired a Maslab robot, but we forgive him. “Go Pats!”

Did you know???

- Maslab's special GlobTek power supplies are ordered months in advance to allow for a long sea voyage and customs adventure!

Maslab trivia

- Which company's microprocessor handles Linux, Camera, and Java tasks?
  - Intel
  - Via
  - AMD
  - IBM
  - Sun

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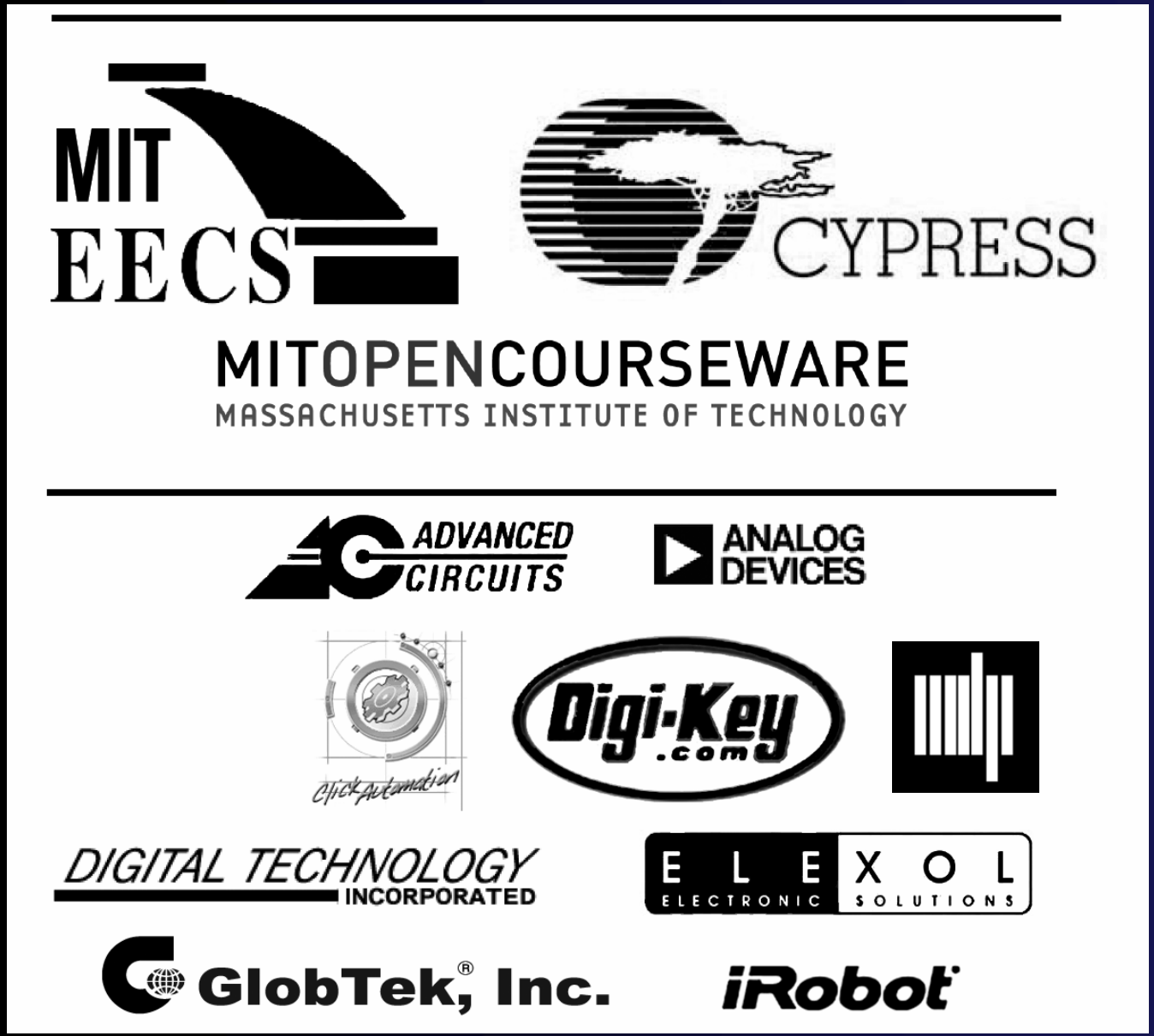
Maslab trivia

- Which company's microprocessor handles Linux, Camera, and Java tasks?
  - Via
- Maslab robots use tiny x86-compatable 733MHz Via "Eden" single-board computers ordered from our sponsor, **Digital Technology, Inc.**

Maslab is grateful for the support of…

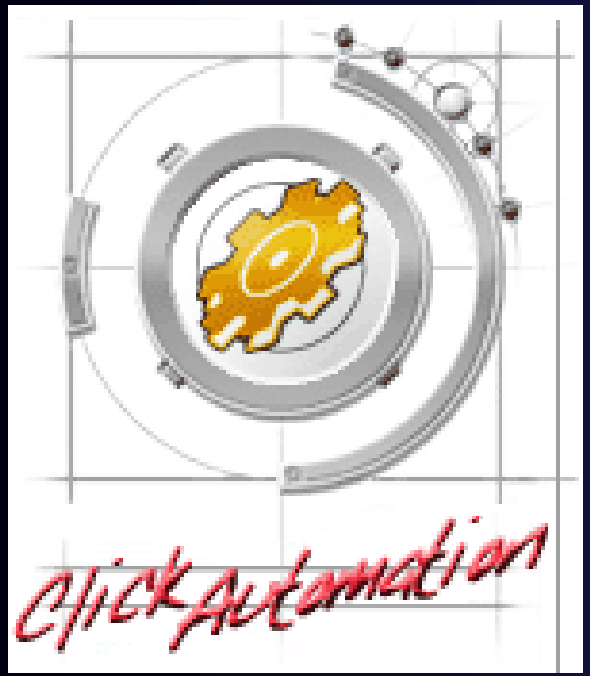


Get a raffle ticket and stick around! After the contest, we'll give away:

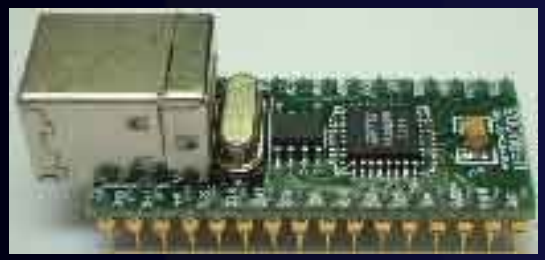
- Roomba Autonomous Vacuum
  - iRobot
- Robot and Computing Books
  - MIT Press / Bookstore
- A Geode single board computer
  - Digital Technology, Inc.
- Dance Dance Revolution Kits
  - Microsoft

Get your motor running…

- Maslab uses motors from Click Automation

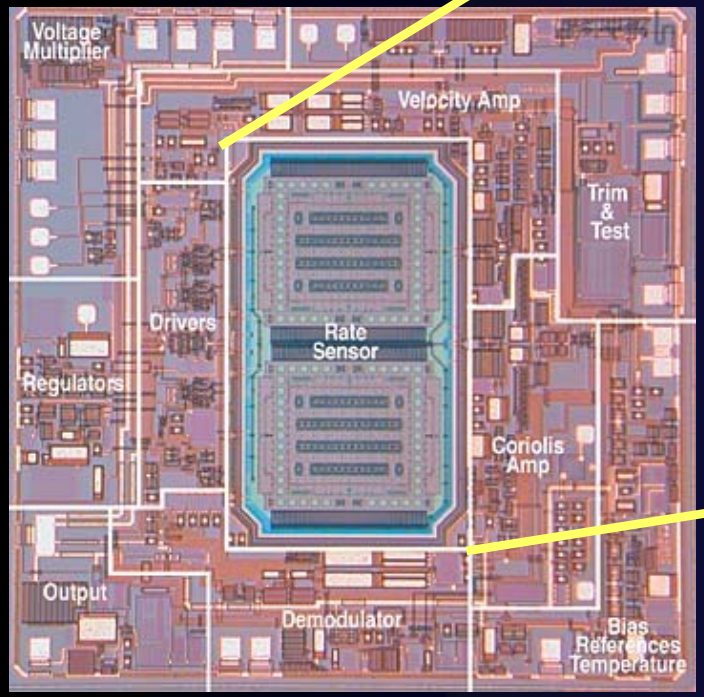


Adaptors from Elexol Electronic Solutions allow our robots to “speak” USB.



Our robots know their rate of rotation thanks to MEMS Gyroscopes from Analog Devices

ANALOG DEVICES



Tonight's Schedule

- 5:00pm – 5:30pm
  - Open house, chat with teams, vote for best-dressed robot
- 5:30pm – 8:00pm (approx)
  - Contest Scoring Rounds
- 8:00pm – 8:30pm
  - Awards, Raffle
- 8:30pm
  - Non-scoring demo rounds, audience welcome to stay

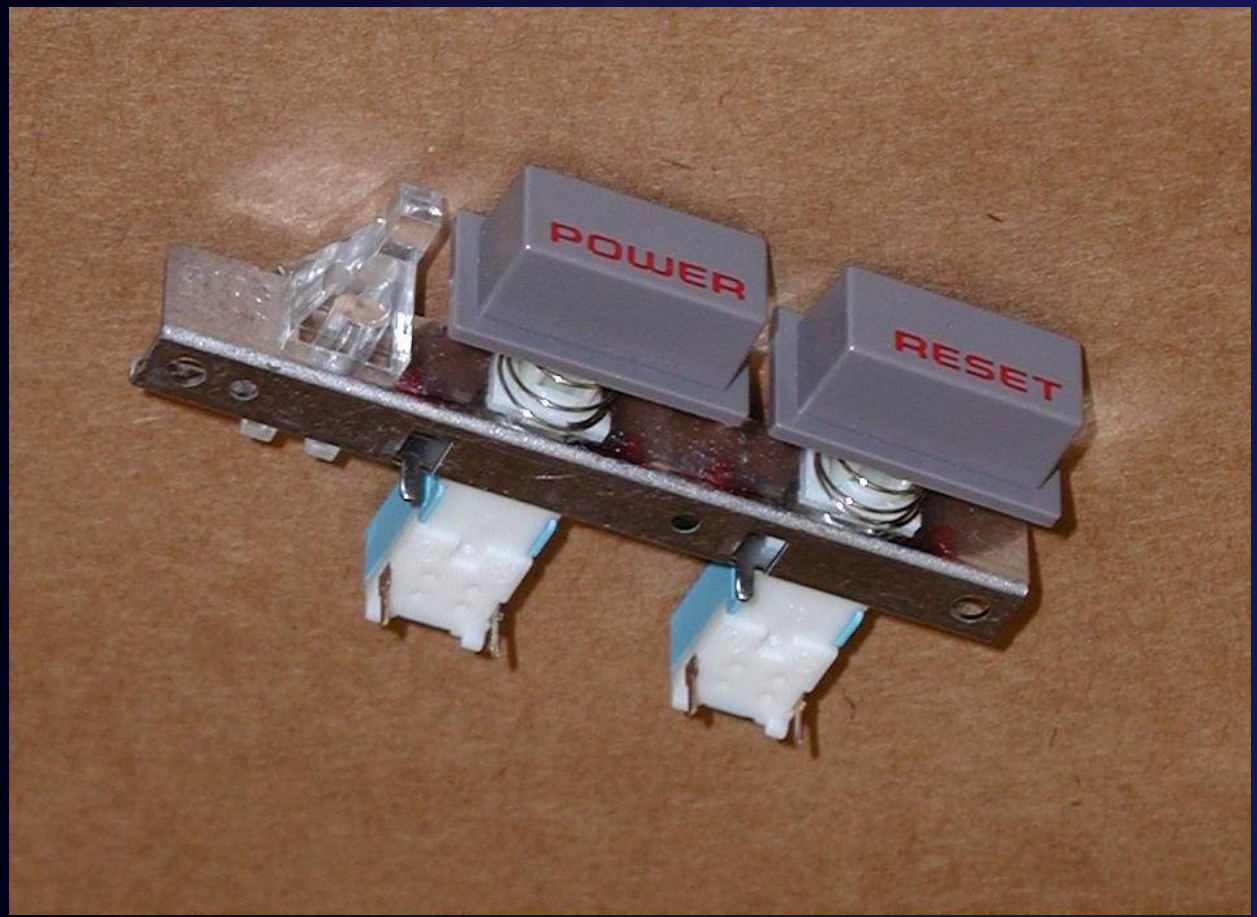
Did you know?

- The Maslab teams have never seen the playing field in its current configuration!

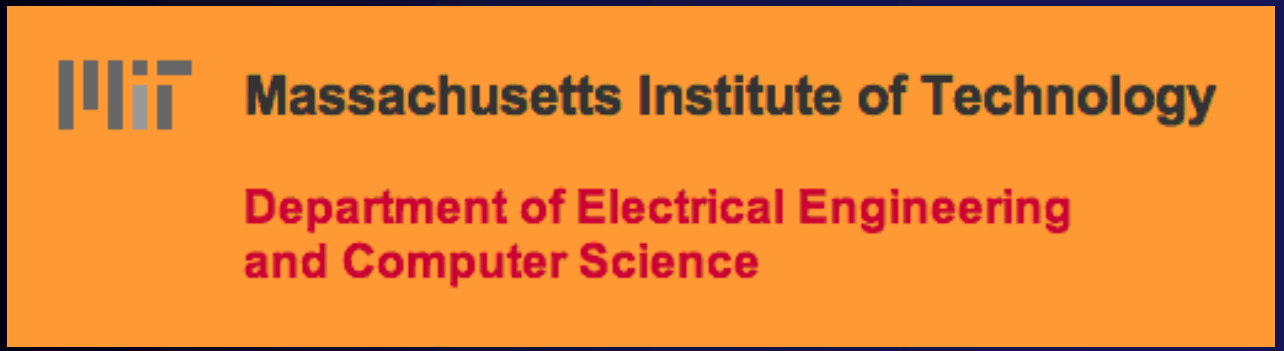
- Robots must use their sensors (not a preplanned path) to navigate the field and find red targets / yellow goals

Did you know?

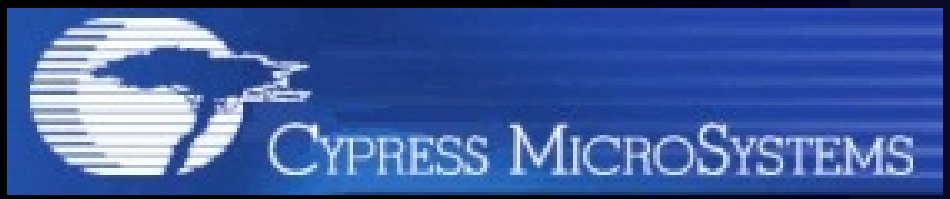
- Nintendo Entertainment System Power/Reset buttons make handy bump sensors!



Primary Sponsors



MITOPENCOURSEWARE

Sponsors and Equipment Contributors

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