



Second Annual Robotics Challenge

Morris County Competition

Rule Summary/Highlights – One Page Format

(Last Update: 05/06/03 ehb) <http://www.fes-nj.com/Lego/>

The events are, 1) Pulling and 2) Follow the Curve. Each event will consist of three heats.

During a heat on either event, if the robot goes off course during the first 6 inches the team will not be disqualified and will be given another chance to make the run.

Pulling (36 x 3 heats = 108 max. points)

A program and light sensor must be used by the robot for this event.

Points are calculated from the 0” point to the centerline of the trailer wheels/tires. If the robot travels off the line and the centerline of the robot reaches either of the dashed lines (after the first 6 inches), the team will receive points for that heat based on the distance traveled and time before crossing the dashed line.

A “full pull” is made when the robot and its weight trailer travels the full 36 inch course while the centerline of the robot stays between the dashed lines.

Follow the Curve (96 x 3 heats = 288 max. points)

If the centerline of the robot passes through either dashed line, its’ team will only be awarded points for the distance and time traveled up to the intersection of the dashed line.

Points will be earned based upon the total distance traveled within 5 minutes. Each heat will last 5 minutes. During the event team members are not allowed to touch the robot. The centerline of the robot must stay on the solid curve line between the two dashed lines during the heat.

Tie-Breaking (Maximum team score before tie-breaking = 108 + 288 = 396 points)

If a tie exists for first, second or third place for the overall Competition Championship the teams involved in the tie will rerun the two courses. Each team involved in the tie will have one opportunity to run each course and the team with the best total score will be declared the winner of the tie.

Awards

- Morris County Robotic Competition - Meritorious
- Morris County Robotic Competition - Achievement
- Morris County Robotic Competition - Honorable Mention

All students will receive a Certificate of Participation