

Line Followers Rules – JedoBot 2024

Category:

category	limit				track		
	weight	width	length	height	width	background color	line color
Line follower with one sensor	no limits	300 mm	300 mm	no limits	15 mm	white	black
Line follower with more sensors and camera							

Principle:

The robot must pass through a prescribed route.

Robot:

The robot must be completely autonomous.

The robot may not in any case exceed size limits.

The dimensional control is performed by a profile with an internal dimension corresponding to the limit.

The profile must touch the ground with its own perpendicular cross-section.

The robot must not release any substances; it must not pollute the track.

One robot can be used by many teams, but each with their own program.

Competition:

The competition has two rounds. On each round robot has min. two attempts. The faster time will be counted for each round. The overall rankings will be decided by the sum of both times of both rounds.

Disqualification:

The robot may be disqualified from the competition, or from an attempt.

If disqualified from the competition, it is counted as if he did not participate at all. This is only done if there is a serious violation of the rules of competition (eg. Fraud).

If disqualified from an attempt, a time of 1000 seconds will be recorded. This happens when the robot does not pass the predetermined path. It may deviate from the path and then return. But it cannot go in the opposite direction or shorten its path significantly.

Robot can be disqualified by a referee only.

