

Advantage Time

Following values get subtracted from the team lap time.

• Age Advantage

If total age of all runners and escorts of a team is more than 180, the age advantage value is twice of the total age.

• Robot Advantage

1. No Time-Out

Maximum lap time for a robot runner is 30min (1800s). If a robot is strained for more than 15 minutes, the team leader must inform the staff.

2. Robot Participation Advantage

600s of advantage value is applied for each robot participants.

3. Bipedal Advantage

A Robot that can 'walk/run' with two 'legs' has advantage time of 150s.

4. Autonomous Advantage

Autonomous robots have advantage time of 330s. This advantage does not apply for those that require any type of manual operation by a person.

5. Checkpoint Advantage

60s of advantage time for each 500m check points. Finishing of all 1.5km lap provides additional 20s advantage.

For example, let x be distance travelled by a robot runner.

Distance	Advantage
$500\text{m} < x < 1000\text{m}$	60s
$1000\text{m} < x < 1500\text{m}$	120s
1500m (full track)	200s

• Animal Advantage

Each Animal participant gains 60s of advantage. Additional advantage value according to their size is applied to as following.

Animal size	Advantage
Less than 30cm	60s
31cm to 40cm	30s
41cm to 50cm	15s