

# Team Sport AI

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# Game Objects

- Soccer pitch
- Two goals
- One ball
- Two teams
- Eight field players
- Two goalkeepers

# SoccerPitch.h

- Rectangular playing area enclosed by walls
- Contains pointers to ball, two teams, and two goals
- Pitch is divided into 18 regions (3 by 6) numbered 0 to 17
- Each player assigned to a home region at start of play and after each goal
- Player regions change during play to implement team strategy (e.g. push forward on attack)