

This image shows kinematic equations used for launching a disc into the goal while the robot is moving. Since I saw the Spin Up field drop from the ceiling at Worlds, I knew I had to make a robot shoot-on-the-move. Requiring an extremely consistent robot, a high-level understanding of math and physics, and superb programming ability, that kind of challenge is the exact problem that got me into robotics. The blending of physics, mechanical design, and programming to make a wholly new, real-world solution excites me. It is why I will be continuing into the field of robotics upon graduation.