

Pitch Optimization Accounting for Random Error

WHEN

**May 6, 2022
10:00AM**

WHERE

Jones Laboratory, Room 303

**Matthew Ludwig, MS candidate**

The pitcher versus batter interaction in baseball presents a 2 player, turn based game. Unlike games that have traditionally attracted attention for computer learning, like chess, this game presents additional challenges in the form of imperfect human action due to physical error. While solving the entire game is far beyond the scope of this project, a simplified version was created to establish basic relationships and provide justification that inherent physical error must be accounted for in order to achieve optimality in the future.

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