

Problem Chosen

**C**

2025  
MCM/ICM  
Summary Sheet

Team Control Number

**2407108**

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# Quantifying momentum, grasping victory in tennis

## Summary

**Keywords:** Momentum Analysis; Predictive Modeling; Random Forest; Sliding Window; Logistic Regression; Data Visualization; Generalization Capability

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# **1 Introduction**

## **1.1 Background**

## **1.2 Restatement of the Problem**

## **1.3 Our Work**

# **2 Assumptions and Justification**

# **3 Notations**