

# Predicting the Decisions of the Setter in Volleyball

## PX4514–Mathematical Modelling Report

Paweł Kaniowski and Sönke Wöhler

6th March 2019



We hereby declare that all work described in this report was carried out by ourselves unless otherwise specified, and that we wrote this report independently with all work and contributions duly acknowledged and cited.

Signed:

Paweł Kaniowski

6th March 2019

Signed:

Sönke Wöhler

6th March 2019

## Abstract

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

---

## 1 Introduction

### 1.1 Motivation

### 1.2 Aims

## 2 The Model

### 2.1 Design and Development

### 2.2 Mathematical Representation

### 2.3 Implementation in Mathematica

## 3 Evaluating the Model

### 3.1 Data Acquisition

### 3.2 Results

## 4 Conclusion

## Acknowledgements

## References

- [1]
- [2] . [Last Accessed: 6th March 2019].
- [3]
- [4] Clive L. Dym. *Principles of Mathematical Modeling*. Number 2. Elsevier, 2004.
- [5] Dennis Jackson. Volleyball court diagram. <https://www.strength-and-power-for-volleyball.com/volleyball-court.html>, 2007.  
[Last Accessed: 6th March 2019].