

# **KDetSim - a simple way to simulate detectors**

Gregor Kramberger, Jožef Stefan Institute, Slovenia

March 7, 2016

Thanks to many colleagues who helped to make it happen.

# Preface

But I must explain to you how all this mistaken idea of denouncing pleasure and praising pain was born and I will give you a complete account of the system, and expound the actual teachings of the great explorer of the truth, the master-builder of human happiness. No one rejects, dislikes, or avoids pleasure itself, because it is pleasure, but because those who do not know how to pursue pleasure rationally encounter consequences that are extremely painful. Nor again is there anyone who loves or pursues or desires to obtain pain of itself, because it is pain, but because occasionally circumstances occur in which toil and pain can procure him some great pleasure. To take a trivial example, which of us ever undertakes laborious physical exercise, except to obtain some advantage from it? But who has any right to find fault with a man who chooses to enjoy a pleasure that has no annoying consequences, or one who avoids a pain that produces no resultant pleasure?



# Chapter 1

## Introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi libero sem,



## Chapter 2

# Physics basics

Mama mia





## Chapter 3

# Calculation of the field

adsad



## Chapter 4

# Classes

sdasda



## Chapter 5

# KDetector

dasdas

# Contents

<b>1</b>	<b>Introduction . . . . .</b>	<b>3</b>
<b>2</b>	<b>Physics basics . . . . .</b>	<b>5</b>
<b>3</b>	<b>Calculation of the field . . . . .</b>	<b>7</b>
<b>4</b>	<b>Classes . . . . .</b>	<b>9</b>
<b>5</b>	<b>KDetector . . . . .</b>	<b>11</b>