

# SixDesk

Version 1.0

the Simulation Environment for SixTrack

## User's Reference Manual

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### Abstract

SixTrack is a single particle tracking code widely used at CERN. One of the most important applications is the estimation of the dynamic aperture available in large storage rings like the Large Hadron Collider (LHC) or the Future Circular Collider (FCC). These studies require massive computing resources, consisting of scans over large parameter spaces probing non-linear beam dynamics over long times. The SixDesk environment is the simulation framework used to manage and control the large amount of information necessary for and produced by the studies.



# Acknowledgement

Some acknowledgements.



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# Chapter 1

## Introduction

Some words.

