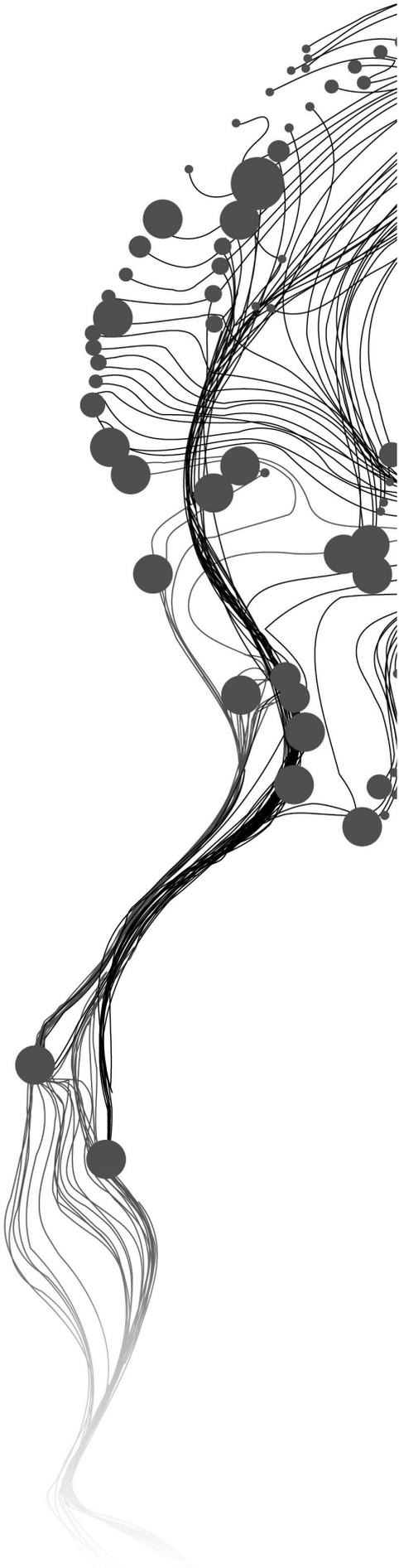


IMPLEMENTATION OF DATA STRUCTURES AND OPERATIONS FOR MOVING OBJECT MODELLING

THEODORE WILLIAM REYES, JR.
April, 2002

SUPERVISORS:

Prof. dr. P. Mallebrootje
advisor to be announced; use `\ThesisSupervisors{}`



IMPLEMENTATION OF DATA STRUCTURES AND OPERATIONS FOR MOVING OBJECT MODELLING

THEODORE WILLIAM REYES, JR.
Enschede, The Netherlands, April, 2002

Thesis submitted to the Faculty of Geo-information Science and Earth
Observation of the University of Twente in partial fulfilment of the requirements
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Observation.
Specialization: Geoinformatics

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Disclaimer

This document describes work undertaken as part of a programme of study at the Faculty of Geo-information Science and Earth Observation of the University of Twente. All views and opinions expressed therein remain the sole responsibility of the author, and do not necessarily represent those of the Faculty.

ABSTRACT

Moving object is a new concept in the area of spatio-temporal GIS. Existing databases are currently unable to handle these objects, due to their lack of proper data structures, operations and methods to answer queries that are required for moving object data management.

Keywords

moving object, data structure, interpolation, parametric curve

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Introduction

During the elective, as well as in the week afterwards, the M.Sc. students who attend this elective will work on a short (skeleton) version of their thesis. They will submit by August 10th at the latest three documents (preferably bundled together in a zip file):

1. a PDF version of their skeleton thesis,
2. the BiB \TeX file that was used for the above, containing the bibliographic data of at least five references, and
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