

FAST DEPTH CODING IN 3D-HEVC  
USING DEEP LEARNING

A DISSERTATION  
SUBMITTED TO THE DEPARTMENT OF ELECTRONIC AND  
INFORMATION ENGINEERING  
OF THE HONG KONG POLYTECHNIC UNIVERSITY  
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FOR THE DEGREE OF  
MASTER OF SCIENCE

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Supervisor  
Yui-Lam Chan

I, Zhen-xiang WANG, confirm that the work presented in this dissertation is my own. Where information has been derived from other sources, I confirm that this has been indicated in the thesis.

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Zhen-xiang WANG

October 18, 2017

# Abstract

This thesis tells you all you need to know about...

# Acknowledgments

I would like to thank...

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# Chapter 1

## Introduction

### 1.1 Welcome and Thank You

Welcome to this L<sup>A</sup>T<sub>E</sub>X Thesis Template, a beautiful and easy to use template for writing a thesis using the L<sup>A</sup>T<sub>E</sub>X typesetting system.

If you are writing a thesis (or will be in the future) and its subject is technical or mathematical (though it doesn't have to be), then creating it in L<sup>A</sup>T<sub>E</sub>X is highly recommended as a way to make sure you can just get down to the essential writing without having to worry over formatting or wasting time arguing with your word processor.

L<sup>A</sup>T<sub>E</sub>X is easily able to professionally typeset documents that run to hundreds or thousands of pages long. With simple mark-up commands, it automatically sets out the table of contents, margins, page headers and footers and keeps the formatting consistent and beautiful. One of its main strengths is the way it can easily typeset mathematics, even *heavy* mathematics. Even if those equations are the most horribly twisted and most difficult mathematical problems that can only be solved on a super-computer, you can at least count on L<sup>A</sup>T<sub>E</sub>X to make them look stunning.

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