

# Optimizing Texture Mapping for Progressive Meshes

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*Texturoptimering för progressiva polygonytor*

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# **1 Introduction**

The introduction shall be divided into these sections:

## **1.1 Motivation**

This is where the studied problem is described from a general point of view and put in a context which makes it clear that it is interesting and well worth studying. The aim is to make the reader interested in the work and create an urge to continue reading.

## **1.2 Aim**

What is the underlying purpose of the thesis project?

## **1.3 Research Questions**

This is where the research questions are described. Formulate these as explicit questions, terminated with a question mark. A report will usually contain several different research questions that are somehow thematically connected. There are usually 2-4 questions in total.

Examples of common types of research questions (simplified and generalized):

1. How does technique X affect the possibility of achieving the effect Y?
2. How can a system (or a solution) for X be realized so that the effect Y is achieved?
3. What are the alternatives to achieving X, and which alternative gives the best effect considering Y and Z? (This research question is normally broken down in to 2 separate questions.)

Observe that a very specific research question almost always leads to a better thesis report than a general research question (it is simply much more difficult to make something good from a general research question.)

The best way to achieve a really good and specific research question is to conduct a thorough literature review and get familiarized with related research and practice. This leads to ideas and terminology which allows one to express oneself with precision and also have

something valuable to say in the discussion chapter. And once a detailed research question has been specified, it is much easier to establish a suitable method and thus carry out the actual thesis work much faster than when starting with a fairly general research question. In the end, it usually pays off to spend some extra time in the beginning working on the literature review. The thesis supervisor can be of assistance in deciding when the research question is sufficiently specific and well-grounded in related research.

## **1.4 Delimitations**

This is where the main delimitations are described. For example, this could be that one has focused the study on a specific application domain or target user group. In the normal case, the delimitations need not be justified.