Contents

# Theoretical Background

## Wallis Filter

## Communication

# Mission

## Starting point

## Possible Solutions

### Scalability

## Concept

# Image Processing

## Wallis Filter

### Requirements

### Concept

#### Mean & Variance

### Implementation

#### Fixed Point

#### Mean & Variance

# Communication

# Scalability

# Benchmark & Verification

Vivado HLS User Guide

# Concept

## Files

## Extensions

# Design Flow

## C-Sim / Synt / Co-Sim / Export

## Analysis

# Pragmas

## Most important