

Master's thesis in
Applied Computer Science

CoolingGen

A parametric 3D-modeling software for turbine
blade cooling geometries using NURBS

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I hereby declare that this thesis has been written by myself and no other resources than those mentioned have been used.

A handwritten signature in blue ink, appearing to read 'Lüken', written in a cursive style.

Göttingen, June 17, 2022

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1.2.1 Definition

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Chapter 2

Non-Uniform Rational B-Splines

2.1 Definition

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Cooling Geometries

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Practical Considerations

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5.1 Grid-Searching With CoolingGen

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