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It “is” the best of times,
it “is” the worst of times

The Worst of Times

On the Death of Visualization¹

Can It Survive Without Customers?

Bill Lorensen

Introduction

After attending the IEEE Visualization 2003 Conference in Seattle, I captured some of my observations and opinions of the state and future of our field. I have been thinking about some of these issues for the past five years. To some extent these thoughts are a reflection of my work experience at an industrial research lab, but I think they deserve exposure to a broader audience. My opinions are personal but I have been listening to some of my peers express similar thoughts and concerns.



“Death of Visualization”

The Best of Times

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CHALLENGES



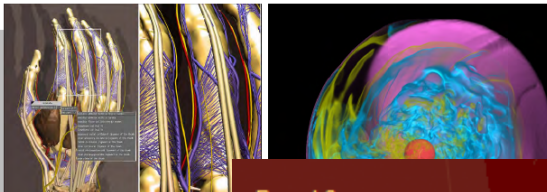
The Value of Visualization

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Technische Universiteit Eindhoven

ABSTRACT

The field of Visualization is getting mature. Many problems have been solved, and new directions are sought for. In order to make

In this paper I want to give a contribution to the discussion on the status and possible directions of our field. Rather than to pinpoint specific topics and activities, my aim is to detect overall patterns, and to find a way to understand and qualify visualization in general, and for



Panel 3

End Users' Perspectives on Volume Rendering in Medical Imaging: A job well done or not over yet?

Moderator: Michael Meissner, Viatronix, Inc.

Moderator: Karel Zuiderveld, Vital Images

Anders Persson, Center of Medical Image Science and Visualization, Linköping

Gordon Harris, Massachusetts General Hospital, Boston

John Lesser, Minneapolis Heart Institute

Michael Vannier, University of Chicago Medical Center



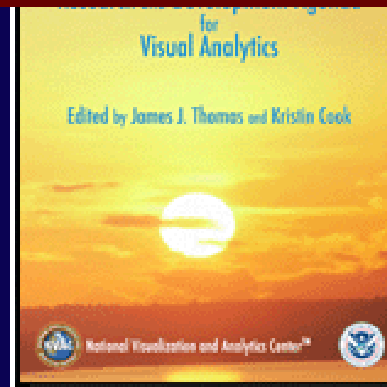
Visualization 2005

Visualization '05
ETH Zurich

Abstract

The concept of visualization primitives has evolved continuously over the past decades. More and more sophisticated building blocks have been proposed for the efficient visualization of complex datasets. In recent years, however, we observe an opposite trend towards point primitives, which have received a growing attention in graphics and visualization. There are two major reasons for this trend: On one hand, we have witnessed a dramatic increase in the number and complexity of primitives required for high quality visualization. The overhead of managing, processing, and manipulating more complex primitives becomes more and more a limiting factor. On the other hand, scientific datasets, be they from real-world experiments or from simulations, very often provide irregular samples making point primitives a natural representation.

In this talk I will discuss the utility and versatility of point



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October 27, 2005



The VRC Report

Celebrates our successes

Examines our weaknesses

Promotes an exciting research agenda

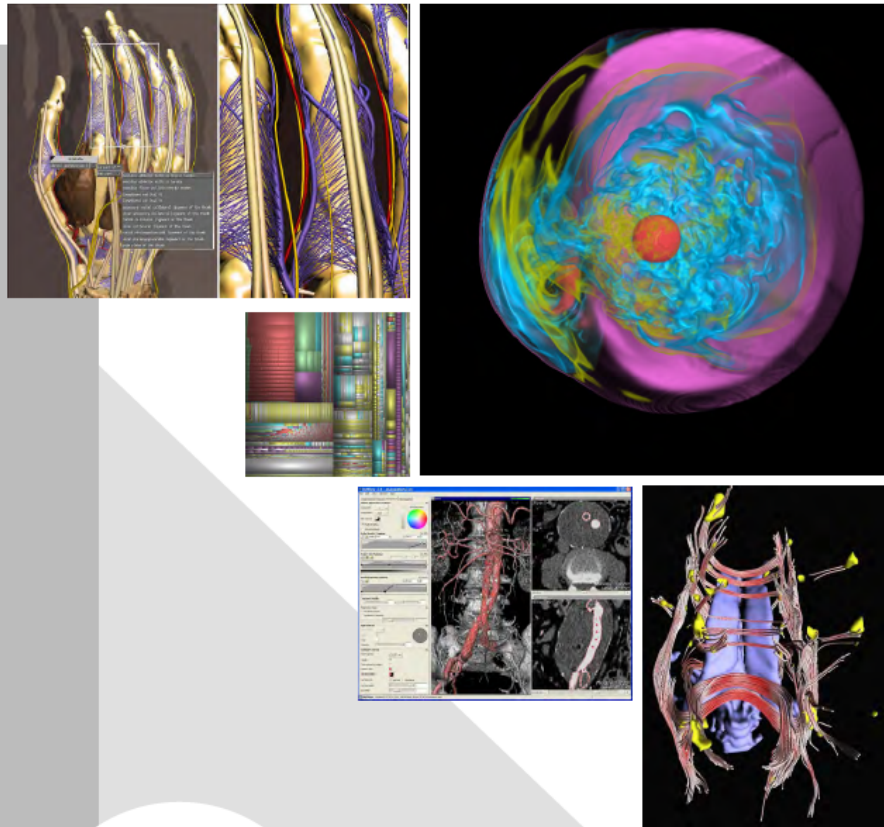
My Favorite Terms

Interdisciplinary (10)

Collaboration (15)

Open (36)

Suggested Reading



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The

WITH A NEW
AFTERWORD BY
THE AUTHOR

TIPPING POINT

*How Little Things Can
Make a Big Difference*



MALCOLM
GLADWELL

*"A fascinating book that makes you see the world
in a different way." —FORTUNE*

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NATIONAL BESTSELLER



The World Is Flat

A BRIEF HISTORY OF
THE TWENTY-FIRST CENTURY

Thomas L. Friedman

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