Lecture 5: CS6250 Graphics & Visualization

- Visualization Pipeline Examples

Where does VTK fit into all this?

More Examples

Colored sphere

Ellipse

Mace

Shrinking Sphere

Height Field Visualization

Data Representations

How can we characterize data? What classes of data are there?

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Representation

How could we represent the equation $y = \cos(x)$?

Structured vs. Unstructured Data

Dimension

What does dimension tell us about the data?

Why is it important?

What is important in a Data Representation?

• Compact

• Efficient

• Mappable

• Minimal Coverage

• Simple

VTK Data Representation

Dataset