

More Trees (Space-filling)



CS 4460 - Information Visualization

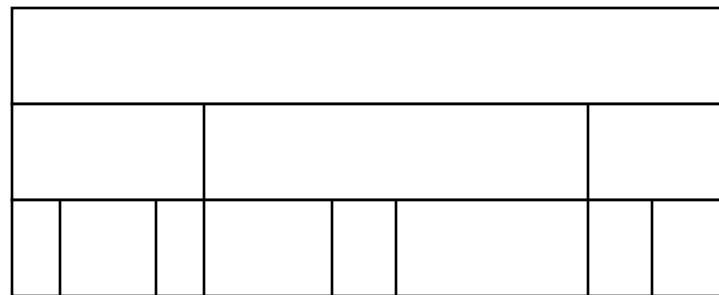
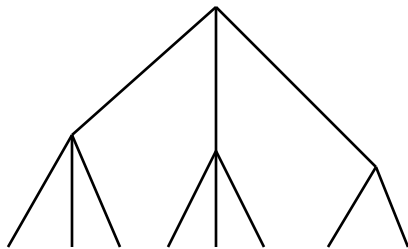
Many PPTs courtesy John Stasko

A Space-Filling Representation



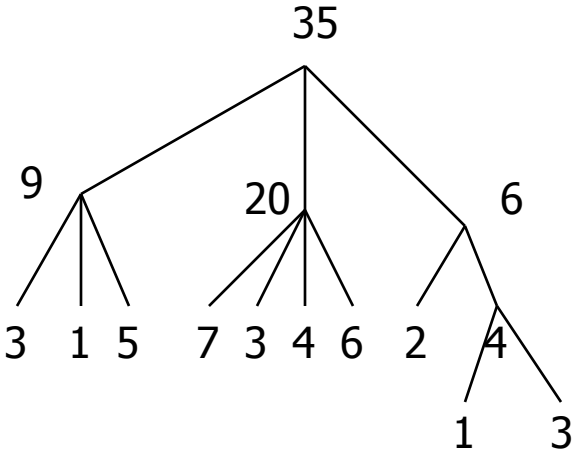
Each item occupies an area

Children are "contained" under parent



One example

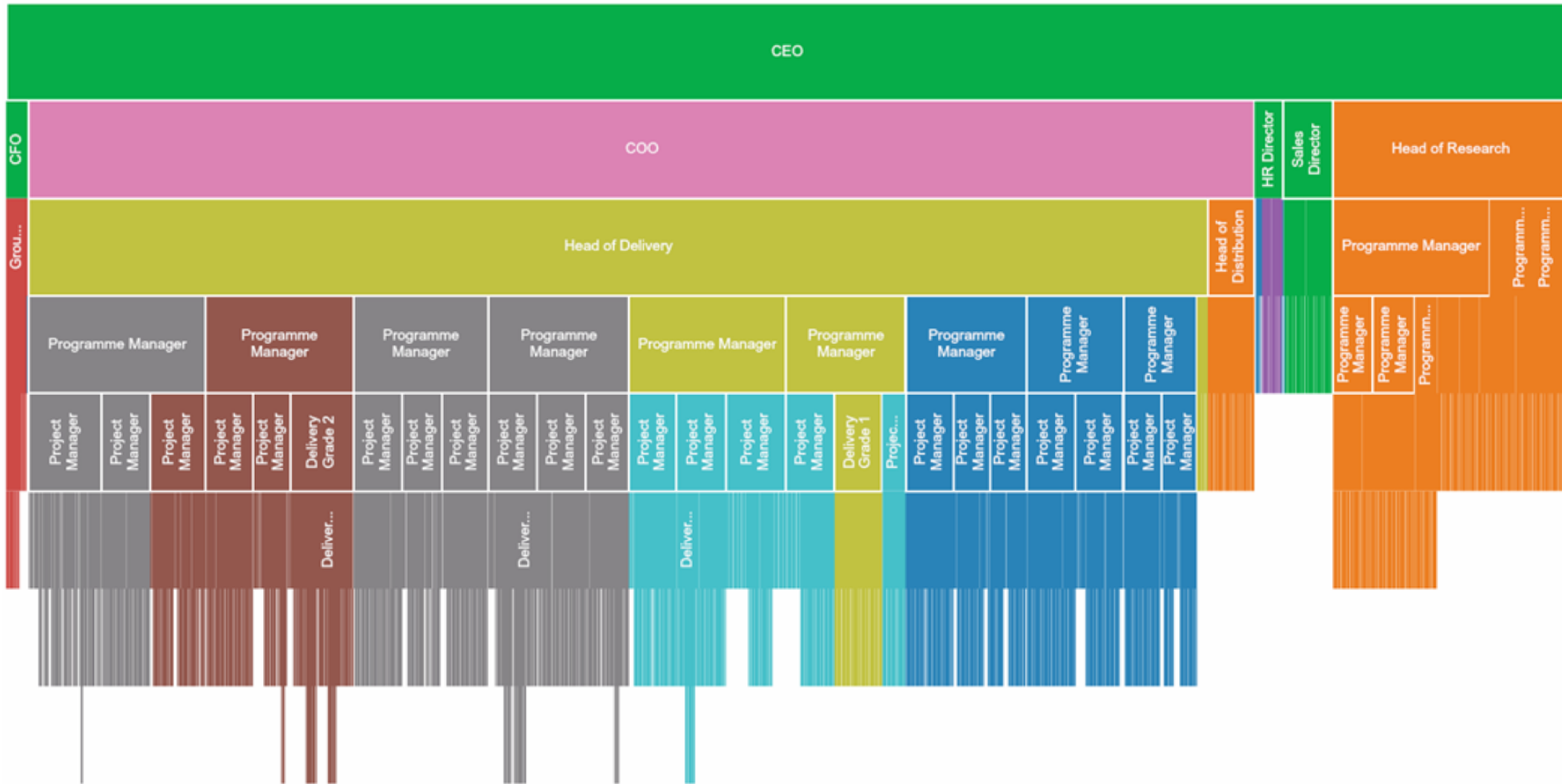
Called "Icicle Chart"



								4	
								1	3

A Real Icicle Chart

Any similarity to SunBurst?



Department

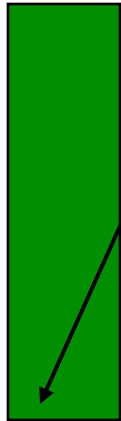
- Distribution
- Executive
- IT Programme Delivery
- Operations
- Project Delivery
- Projects

Treemap Issues

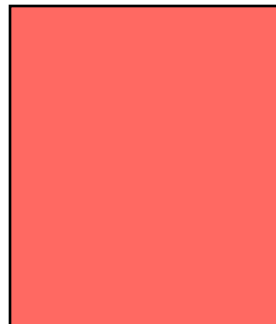


- Aspect ratio of individual areas
- Showing hierarchy

Treemap Area Aspect Ratios



These kinds of rectangles are visually unappealing



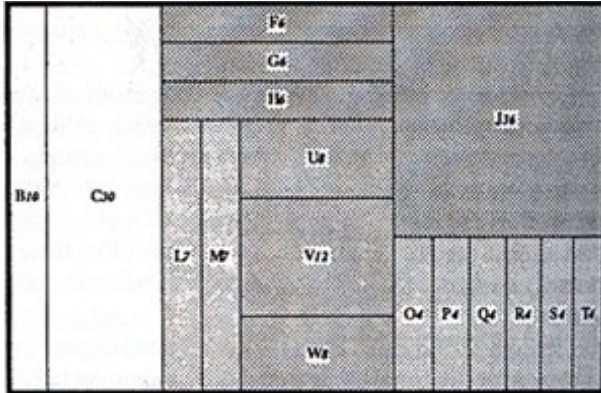
And hard to compare areas – which has bigger area?

Showing Hierarchy

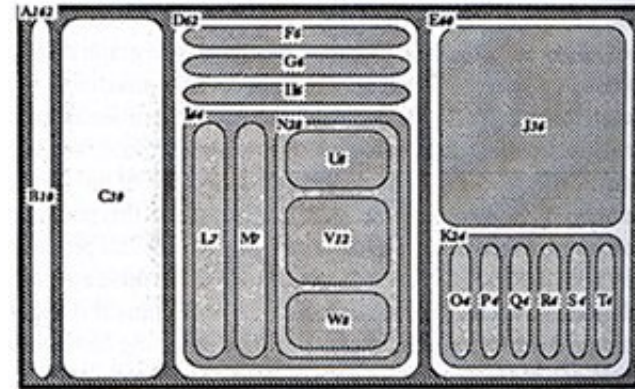


- Regular borderless treemap makes it challenging to discern structure of hierarchy, particularly large ones
 - Supplement Treemap view
 - Change rectangles to other forms

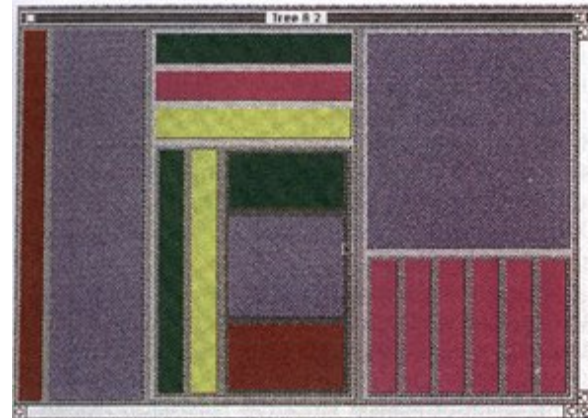
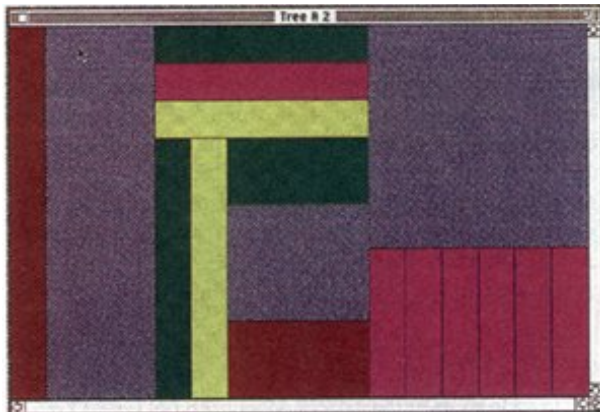
How Show Hierarchy?



Nesting not explicitly shown



Nesting explicitly shown



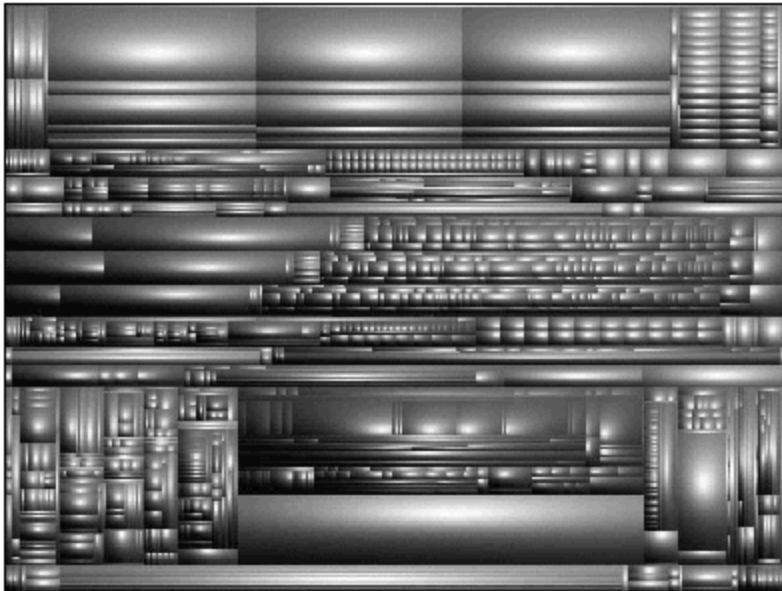
Good for how many levels?

Variation: Cushion Treemap



Add shading and texture
to help convey structure
of hierarchy

Van Wijk & van de Wetering
InfoVis '99

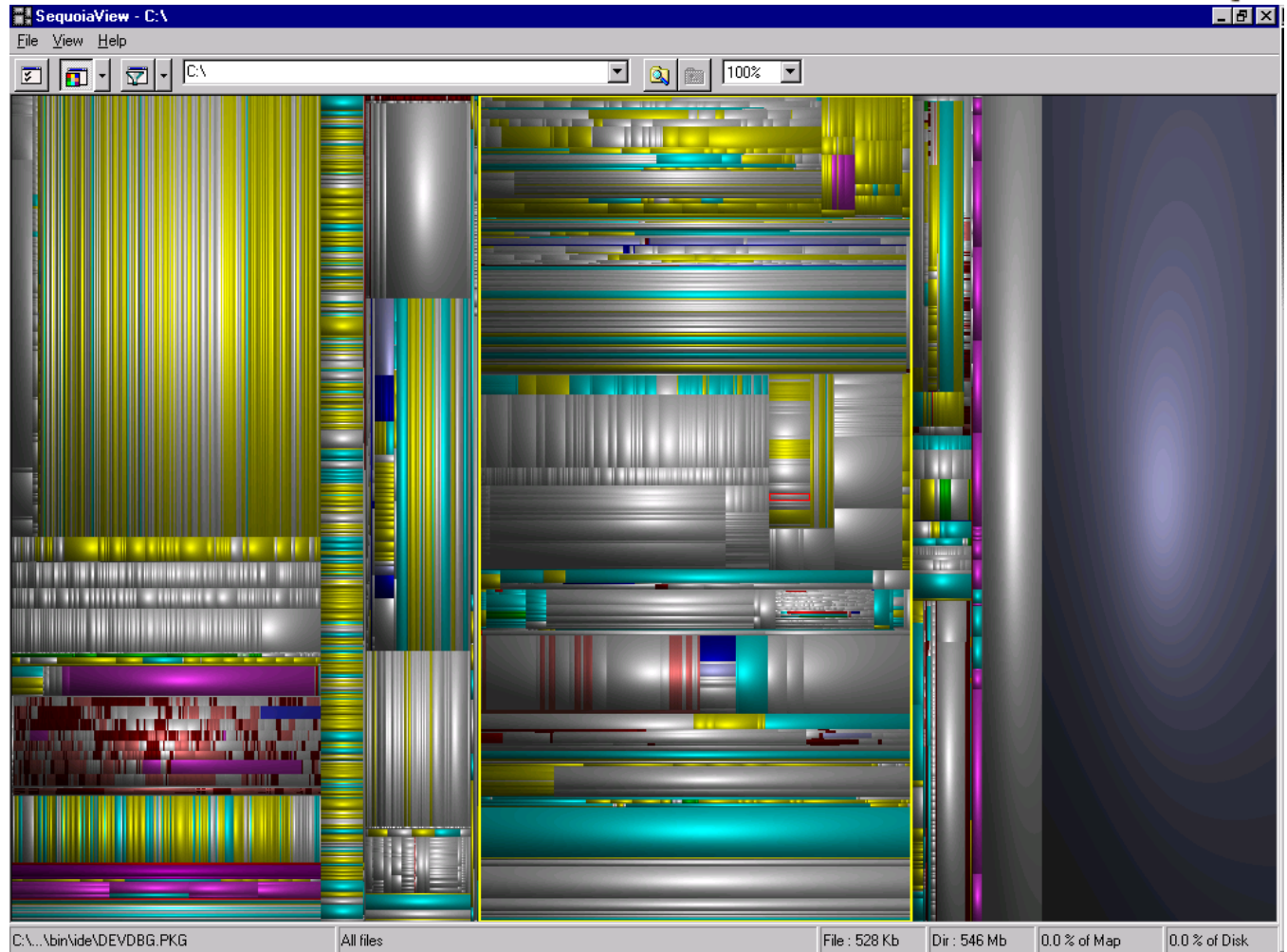


SequoiaView

www.win.tue.nl/sequoiaview/



File visualizer
built using
cushion treemap
notion



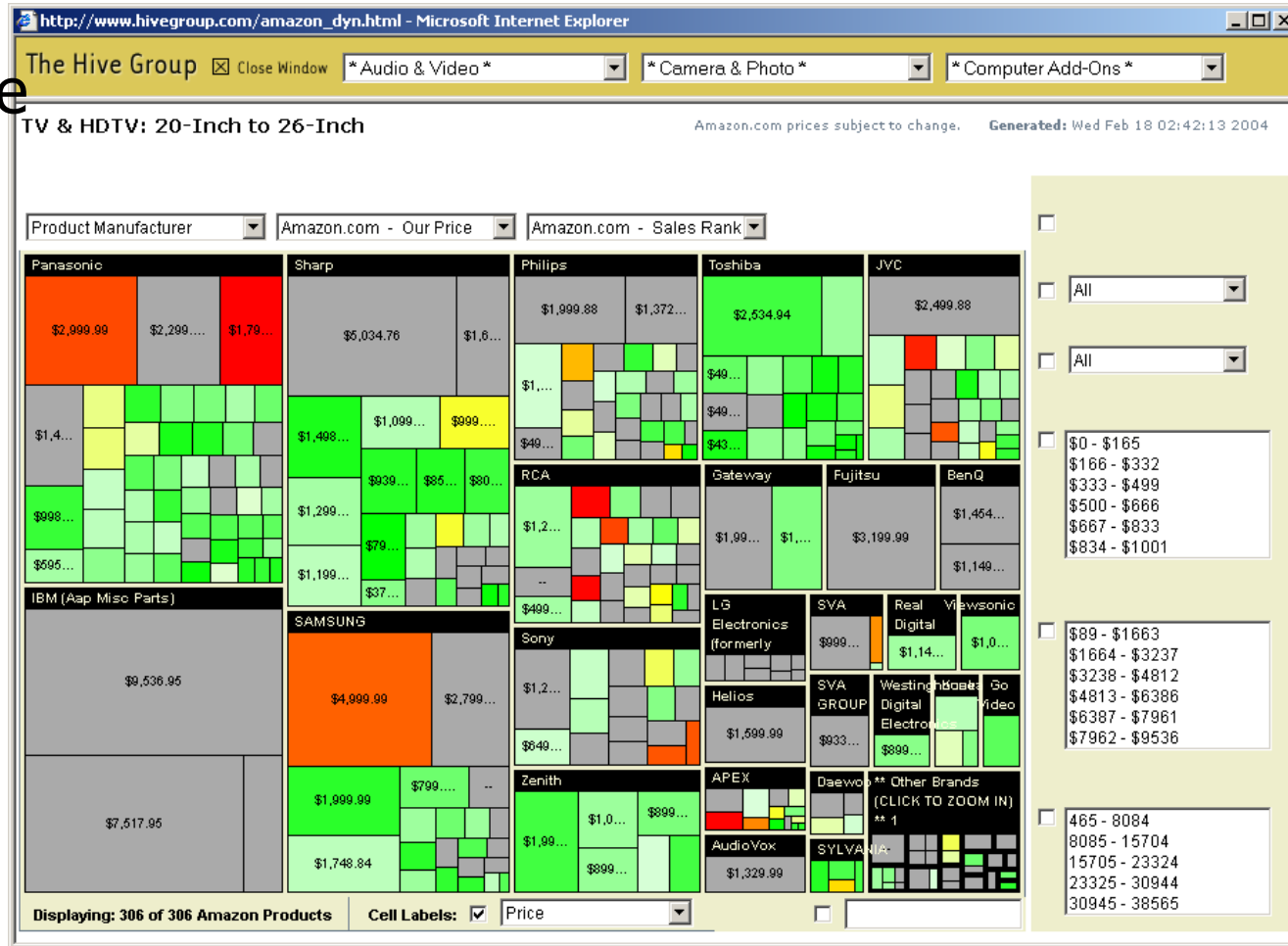
Demo

Product Sales

www.hivegroup.com/amazon.html



The Hive Group



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Tice admits to Super scalping

Garden Of Despair

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Competitor unfazed by Retek bidding war

IBM Wins Federal Approval for Sale of PC Unit

Fed report: Economy is growing nationwide

39 bodies discovered at 2 sites

Haradinaj departs for The Hague

Hong Kong leader resigns

Q&A: Michael Jackson on court case

In the face of adversity: 'Courage'

Blake jurors ask to review testimony of three people

Condoleezza Visits Mexico

Undercover FBI agent credited in 32 mob arrests

UC physicist honored for bridging science, religion

Microsoft unveils IM client, outlines Office vision

Samsung hits bid with 7 Megapixel Mobile Phone

Death rate of middle-age black men double the rate for white men

Plavix Nothing Ordinary for LAMC

Vatican: Pope Extending His Hospital Stay

At least 27 children die after snack

Darfur death toll 'much higher'

Comic Cosby sued over sex claims

50 Cent - He's made pals again with The Game

The Fat Lady sings

Robin Hood Pirates Plea Guilty

Correction: Apple - Sony-Napster story

Rob Hood Pirates Plea Guilty

First MMS mobile phone virus discovered

Internet Becomes A Major Political News Source

Microsoft amps up online Xbox features

More Fox Fox People

American children juggle media

Thursday March 10, 2005 8:18

+ SELECT ALL CATEGORIES LAYOUT: SQUARRIFIED STANDARD

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12:00							
18:00							

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MORE THAN 10 MINUTES AGO

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Investment Portfolios



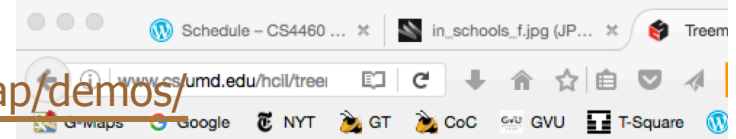
Panopticon



Let's Use a Tree-Map Program



- Go to <http://www.cs.umd.edu/hcil/treemap/demos/>
- Download Treemap 4.1.2
- Run the program
- Open file
 - 43causesofdeath-65plus.tm3



Treemap Demo

If you agree to the Terms and Conditions of the [Treemap Non-cc License](#), and have registered your license by filling out the [Tree Form](#), you may download the Treemap Demo.

This zip file contains the complete software needed for the Treemap Demo. It is available for non-commercial use. By installing this software, you agree to this offer on an AS IS basis, and is not supported.

For commercial licensing information, please contact the Office of Technology The University of Maryland (www.otc.umd.edu) 301-403-2711, James Poulos (

[Download Treemap 4.1.2 \(requires Java 1.4\)](#)

All the [documentation is ONLINE!](#)

Note: Treemap 4.1.2 is a **BETA** version, which means it is expected that you find unexpected behavior.

Please feel free to report them to us as you find them. There are many new fe

