TennisViewer


• synthesized data: entire single tennis match down to stroke level
  – simulating strokes subject to prescribed probabilities
TennisViewer

• hierarchy
  – match
  – set
  – game
  – point
  – service
  – strokes

• top-nesting layered map

Figure 5: A tree

Figure 6: The top-nesting layered map of the tree in figure 5
Tennis Viewer

• treemap idiom
  – subdivision: match, sets, games
  – coloured by player (red/green)

• 2D translucent layers
  – top made from combination of translucent planes below
  – local information (who won point, above) + global context (who won match, below).

• ball traces of strokes
  – icon: spatial layout of tennis court
  – arrow showing ball trace
Tennis Viewer

- Magic Lens to zoom
  - redisplay contents underneath
TennisViewer

• animation
  • before vs after final point
TennisViewer

- cardinality
  - 1 match
  - 5 sets
  - 51 games
  - 332 points
  - 446 services
  - 2800 strokes
Critique

• strengths?
• weaknesses?
• comparison to your own sketches?