Piles Mander, Salomon, & Wong 1992

- Created interactive mockups in Director for prototype test
  - Ten non-technical users, within-subject
  - Videotaped, think-aloud protocol
Piles Mander, Salomon, & Wong 1992

- Created interactive mockups in Director for prototype test
  - Comparison of viewing cone browsing
    - Participants preferred b or c

Piles Mander, Salomon, & Wong 1992

- Created interactive mockups in Director for prototype test
  - Comparison of double-click or gesture to browse (spread out/hinge) a pile
    - Participants preferred double-click
Piles \textit{Mander, Salomon, & Wong 1992}

- Document-centered vs. pile-centered mockups
  - In both, placing a document on a document created a pile
  - Difference: Was pile a distinct manipulable entity?
    - Document-centered: Documents could be moved individually by clicking and dragging, but piles could not be moved
    - Pile-centered: Piles could be moved by clicking and dragging, but not documents in piles
  - Participants divided as to which was best

Piles \textit{Mander, Salomon, & Wong 1992}

- Issues
  - If documents can be placed in a pile, can folders be placed in a pile?
  - What happens if a document is placed on a folder?
  - How to fit into Macintosh desktop metaphor?
  - Adding groups of items to a pile? Naming piles? Ordering piles? Determining where a document goes in a pile? …
Piles Mander, Salomon, & Wong 1992

- Patent issued in 2001
- And then, ...
  - E.g., see http://www.asktog.com/columns/035SquanAdv.html

Stacks in Mac OS X Leopard, ...

- Items can be added to a stack in the dock, and displayed in an fan or grid

Cover Flow

- Automatically generated piles with "hinge browsing"
  (viewing cone browsing)


Piles in Other Work
