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Squeak: A Whirlwind Tour



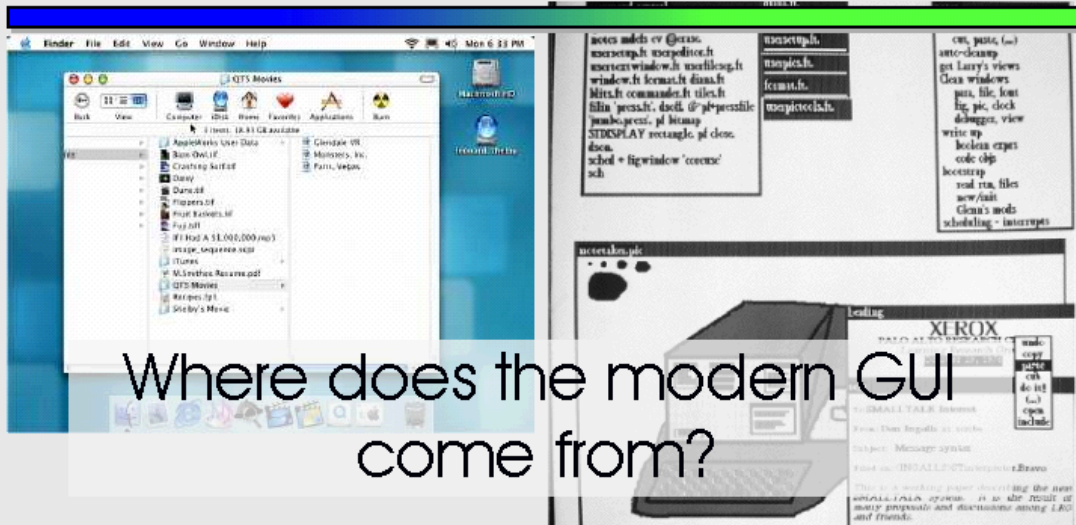
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Design, Learning and Collaboration
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Overview

- What is Squeak?
- Why do we care?
- Squeak's Perspective on
 - Design
 - Learning
 - Collaboration

The Past and the Future



The Legendary Demo

- In 1979, Steve Jobs visited Xerox PARC
- He saw a demo of a lot of stuff
- In particular, he saw:
 - The Graphical User Interface
 - Object-Oriented Programming
 - Local Area Networking
- What if he missed something?

What is Squeak?

- Squeak is:
 - An implementation of a Smalltalk-80
 - A programming environment
 - A multimedia authoring tool
 - An educational system
- Squeak is all of these!
- Squeak—an environment that supports creative expression through computers

Squeak in Action

- Better to Experience!
(Warning! Enough stuff for *many* demos)

Demo

Morphic



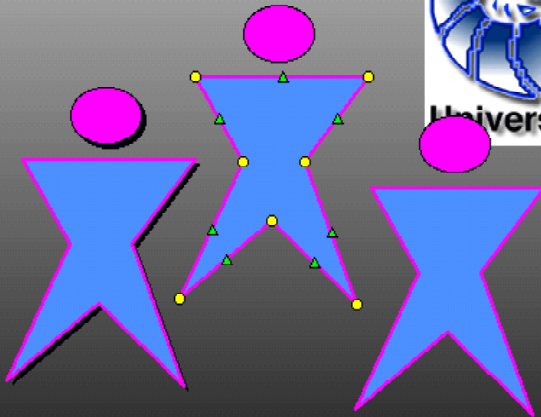
Center for
**LifeLong
Learning
& Design**

University of Colorado at Boulder

Sample Text

S
q
u
e
a
k

T
o
o
l
s



```
X [a] TTSampleStringMorph<TrueType 1 [ [O]
self
all inst vars (TranslucentColor r: 1.0 g: 0.097
bounds b: 1.0 alpha: 0.6)
owner
submorphs
fullBounds
color
extension
borderWidth
borderColor
```

Navigator

Stack Tools

Widgets

Stack Tools

Supplies

The image shows a Scratch workspace with a green background. On the left, a white circle is drawn with a blue arrow pointing to its top. On the right, a complex, multi-colored fractal-like pattern is drawn. A code editor window is open in the center, displaying the following code:

```
TO CIRCLE  
REPEAT 360 [  
  FORWARD 5  
  RIGHT 5  
]  
1
```

The code editor window also shows a workspace window with the following code:

```
20 times repeat. [square value:  
p turn: 18].  
p spiral: 200 angle: 121.  
-----  
pens := ManyPens new: 4.  
pens fanOut.  
pens spiral: 200 angle: 121.
```

The workspace window has a title bar that says "Workspace". The bottom of the workspace has a "Navigator" button and a "Stack Tools" button. The bottom of the workspace also has a "Widgets" button, a "Stack Tools" button, and a "Supplies" button.