POV-ray: a 3D graphics tool for TeX

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Focal Image Ltd

What I'll talk about

- Focal Image
- 3D graphics
- POV-ray
- Using TeX to control POV-ray
- Some examples of POV-ray

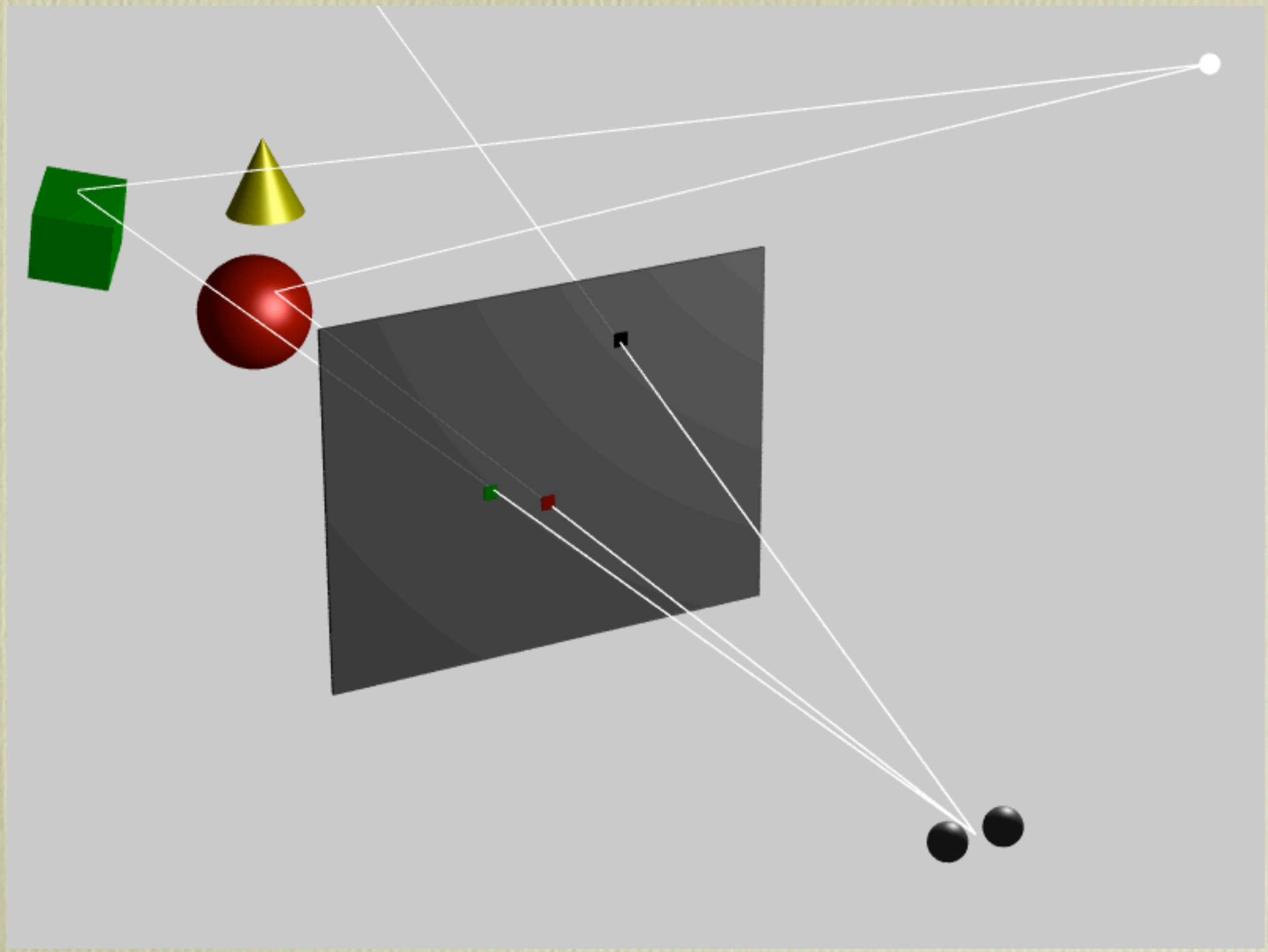
Focal Image

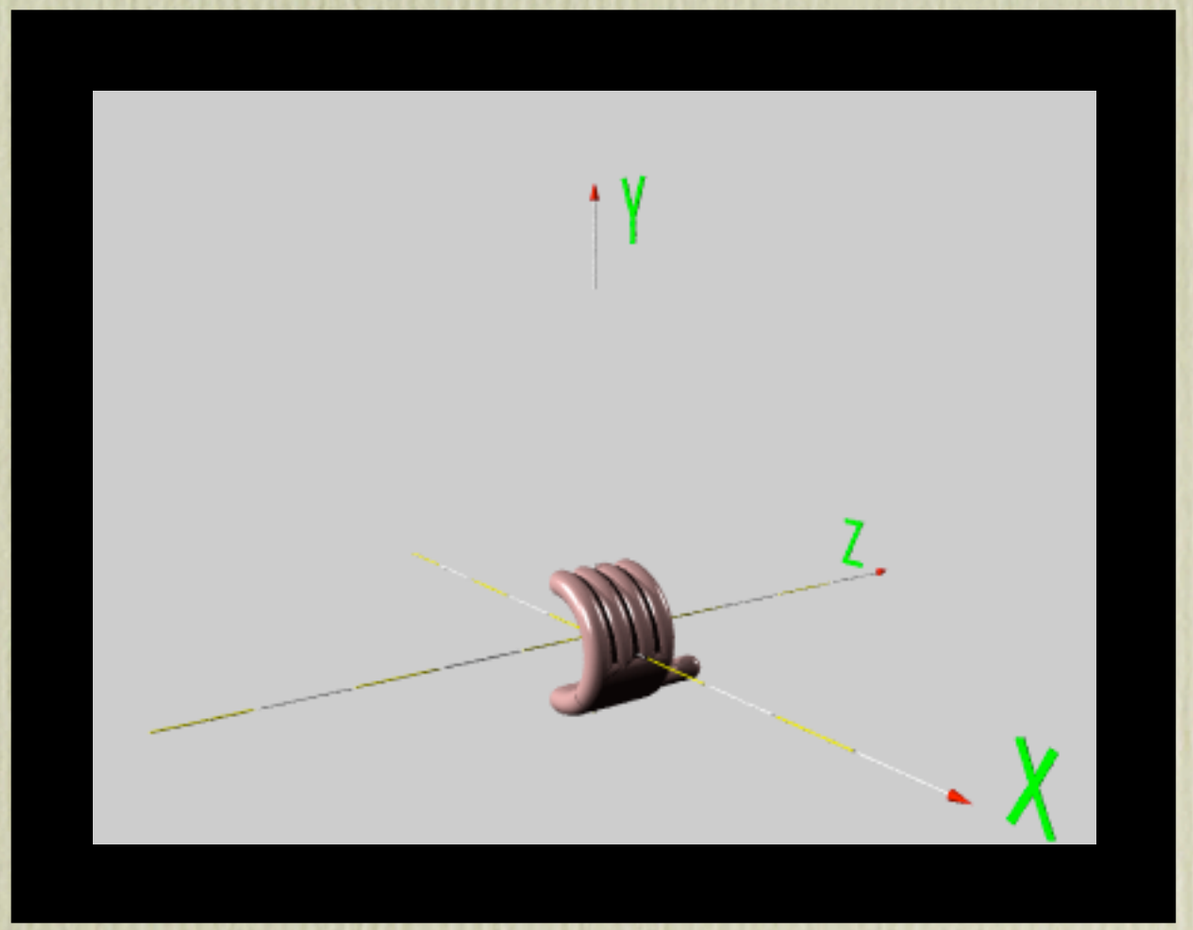
- Focal Image (UK) and River Valley (India) merged in 1998
- Typesetting main business, but try to innovate
- Staff most important asset
- ‘Customer comes second’

3D Graphics

Two stages

- Modelling (usually interactive)
- Rendering

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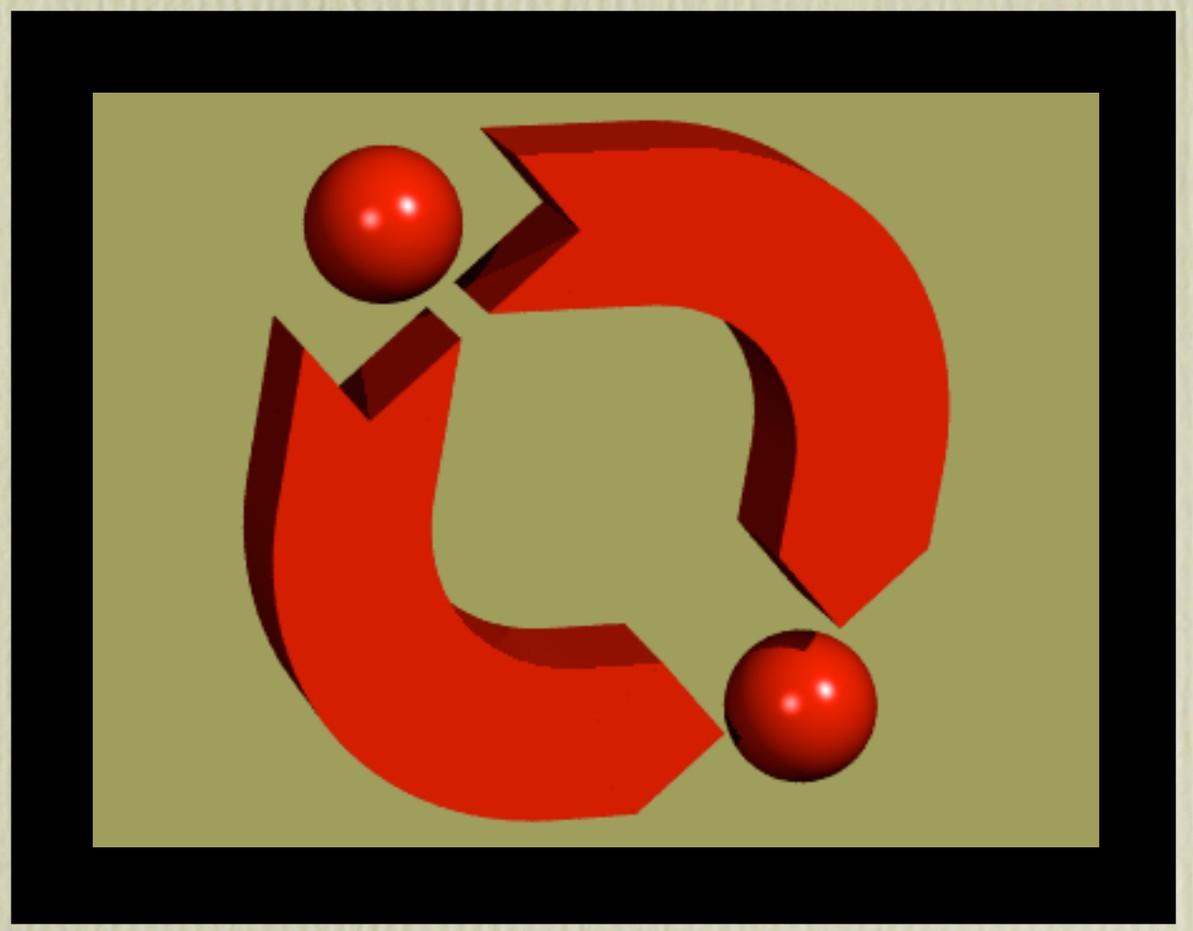
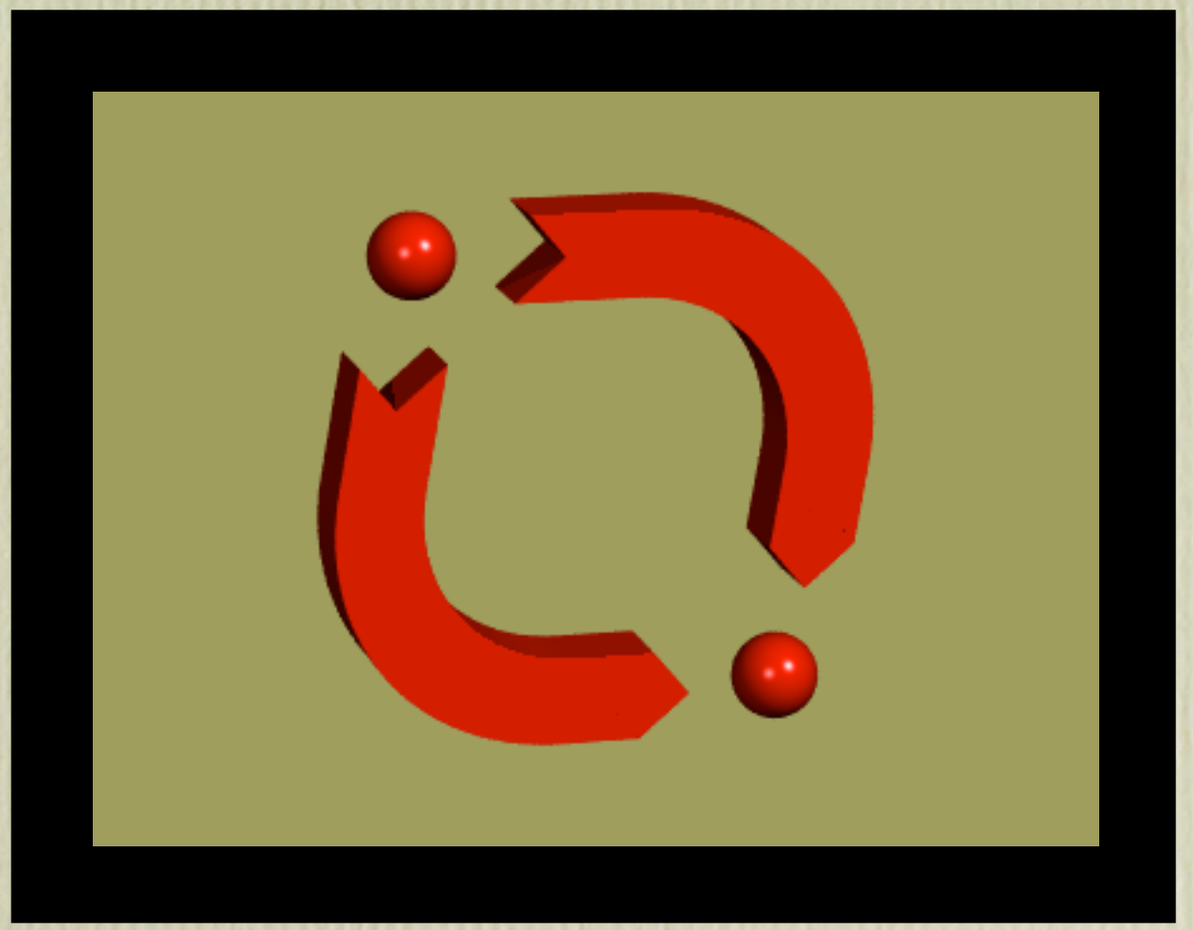
POV demo ...

An example





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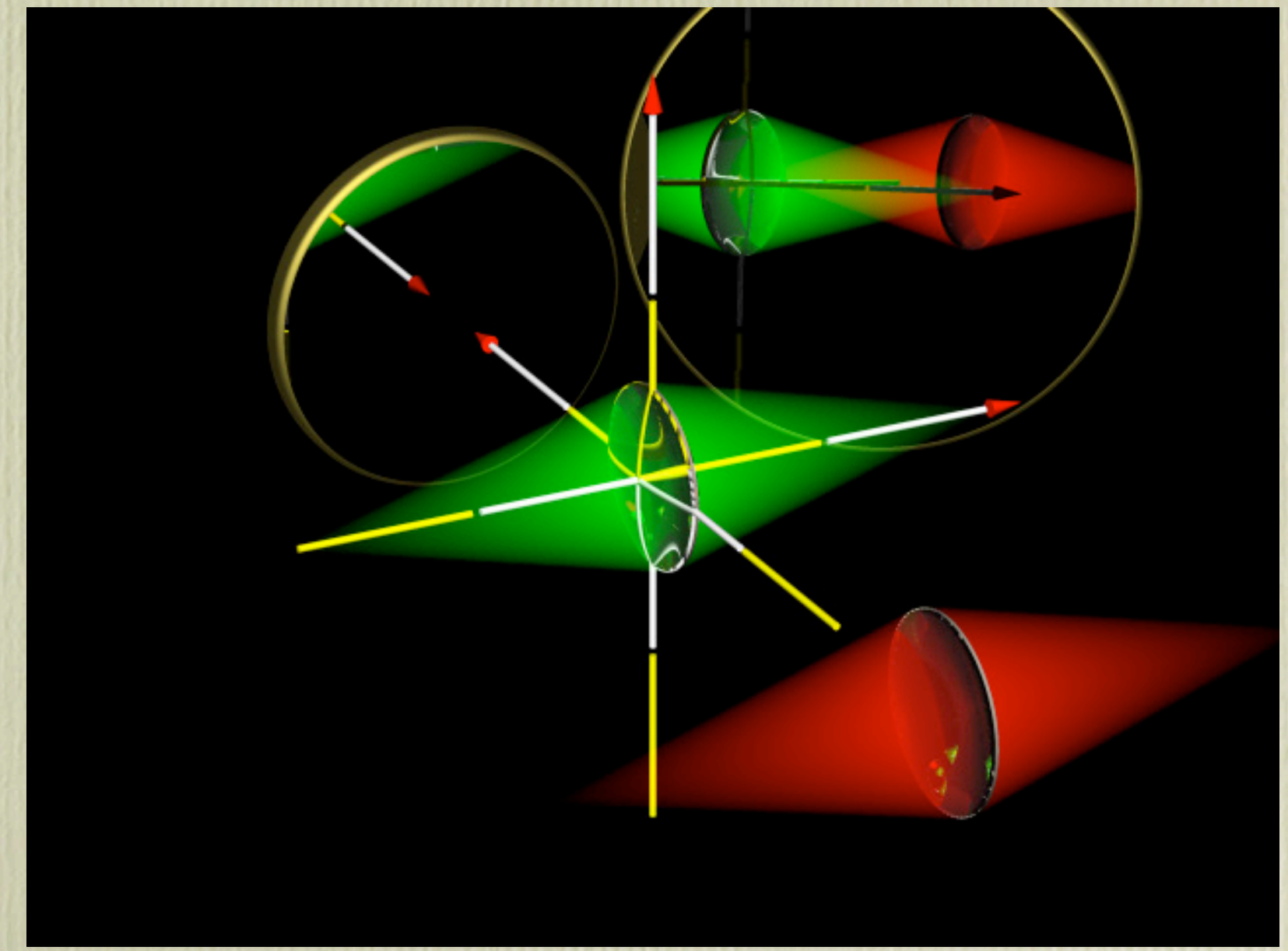

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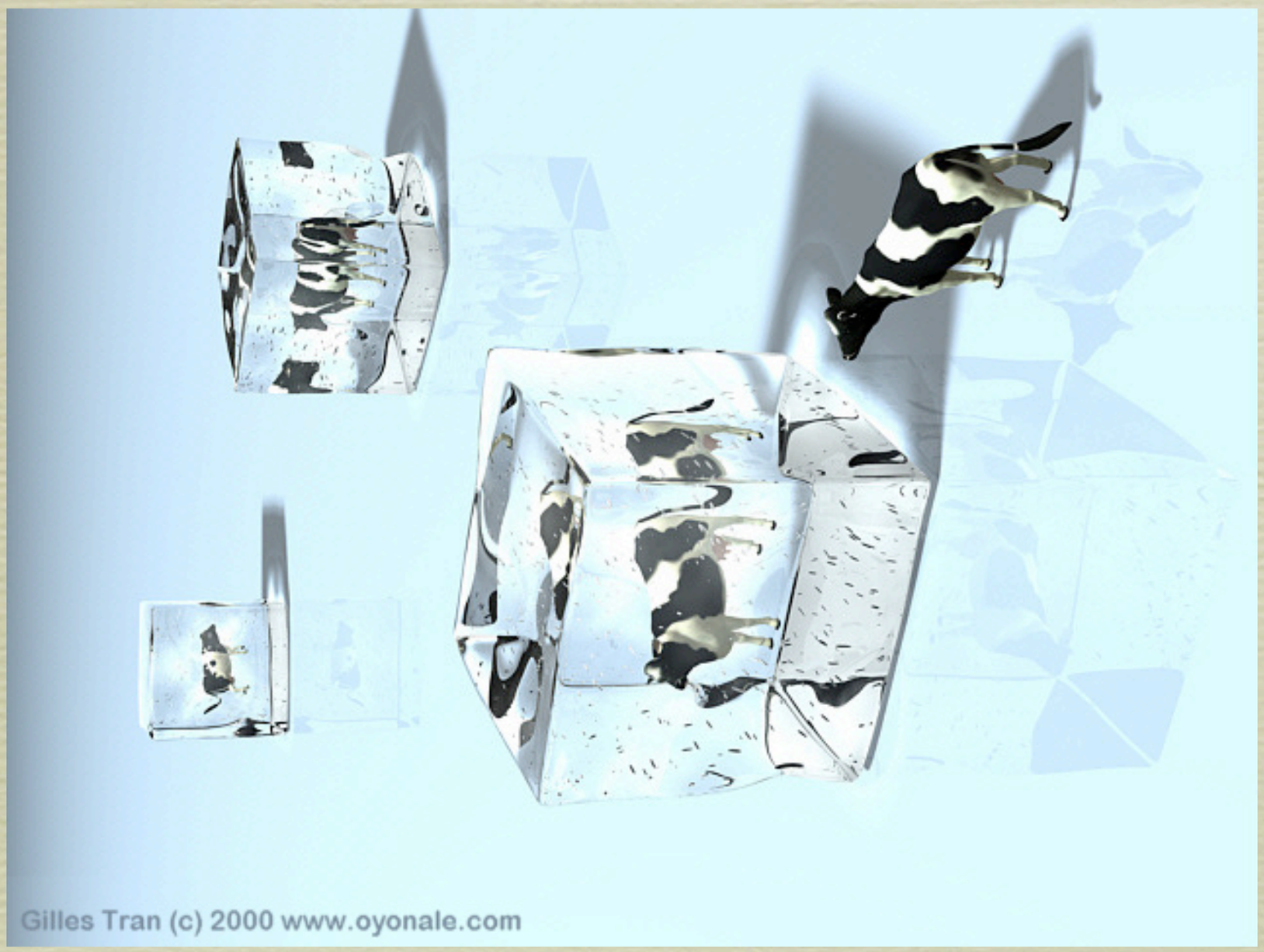
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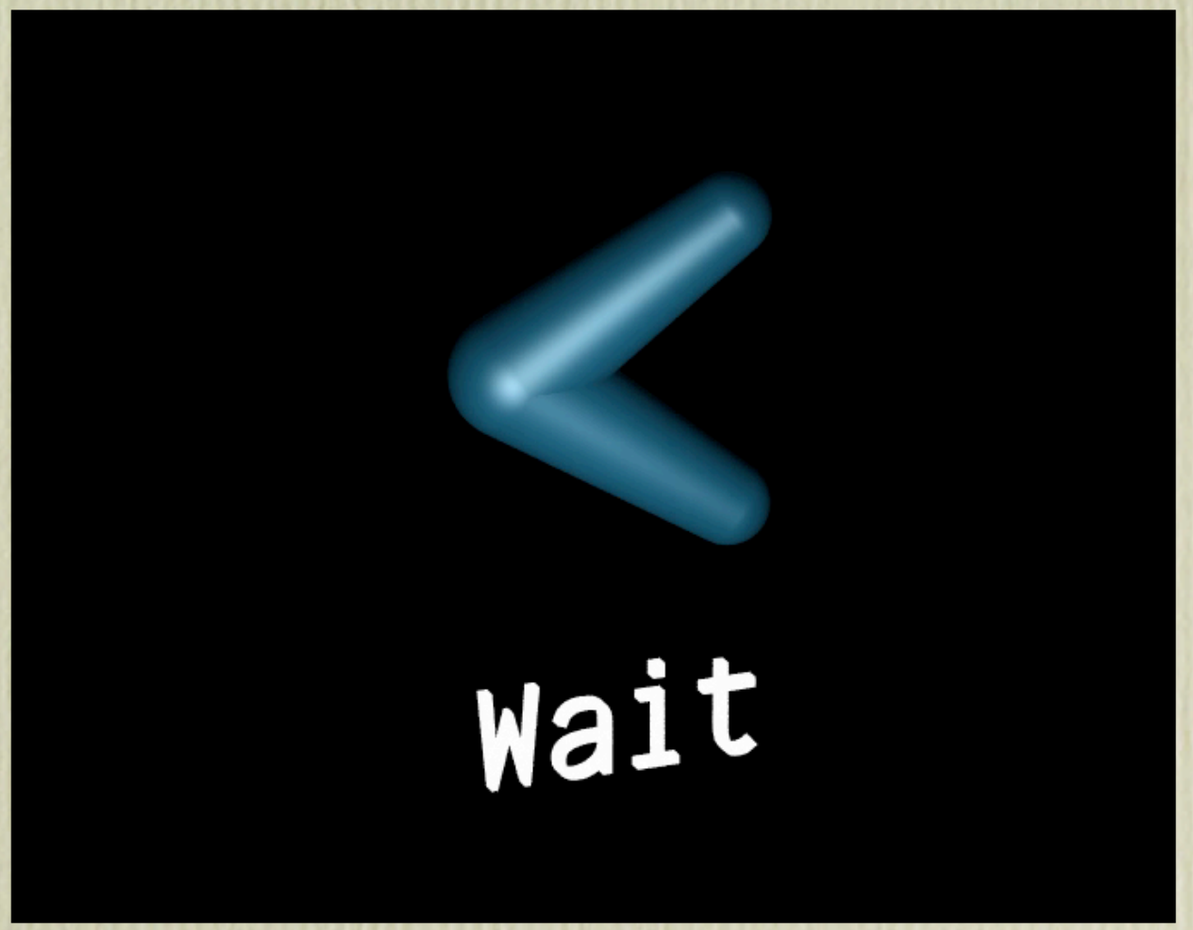
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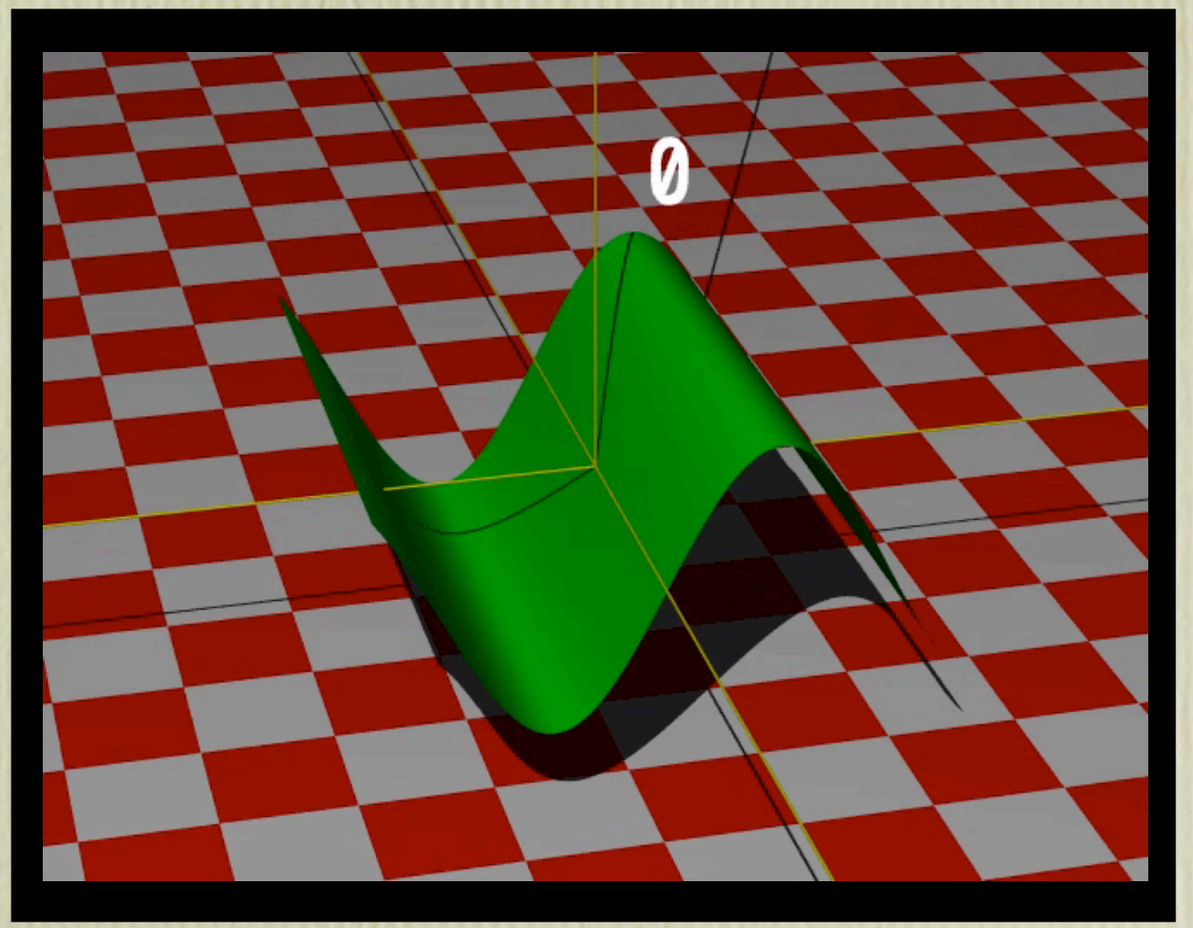
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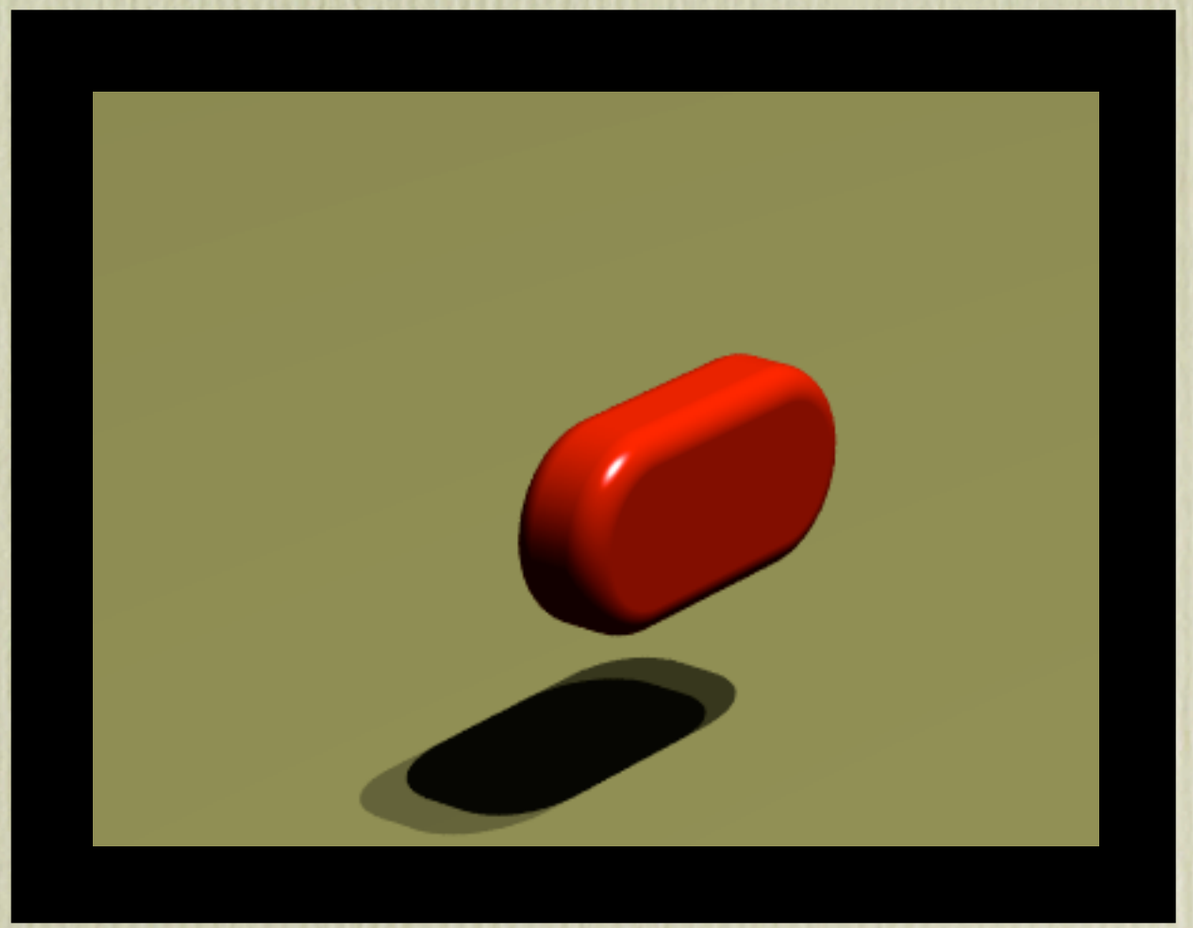
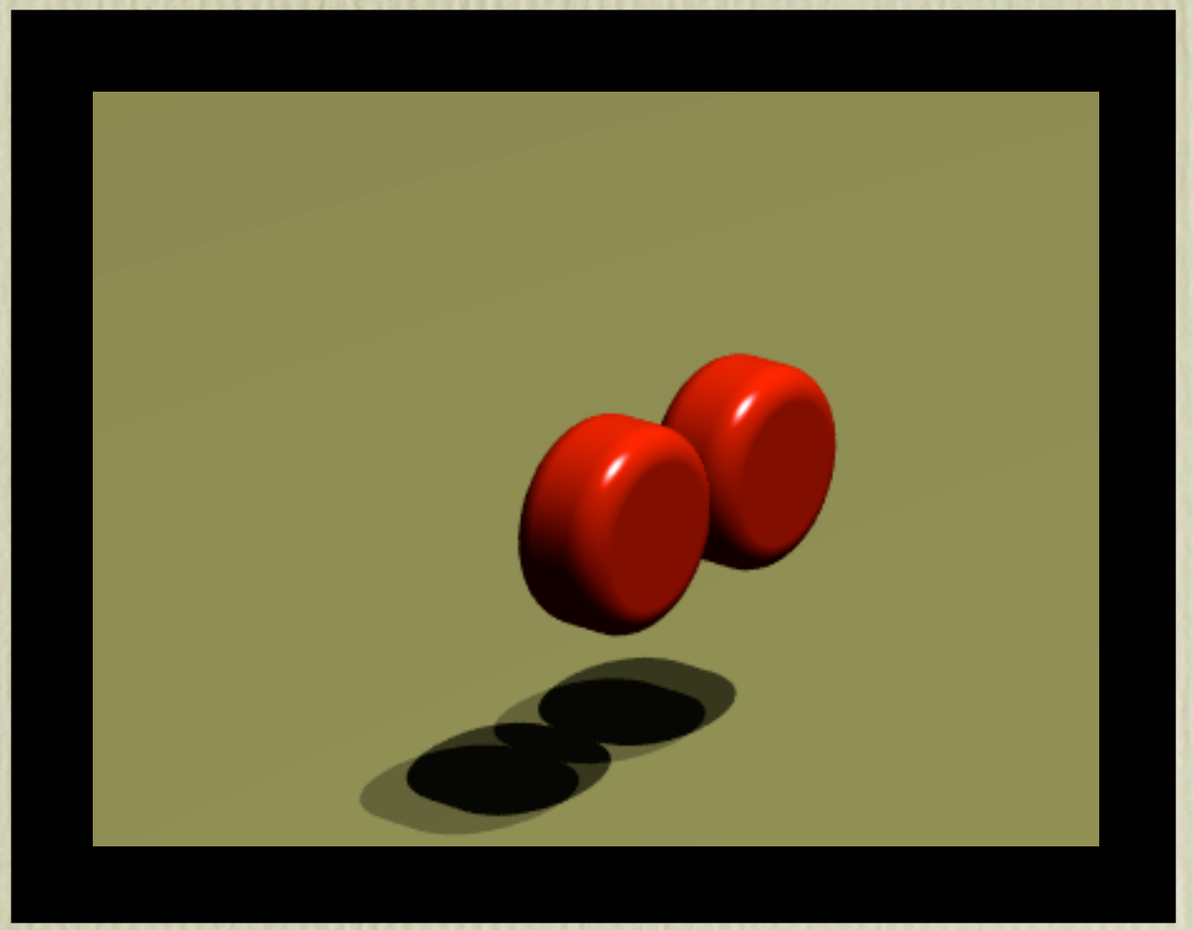
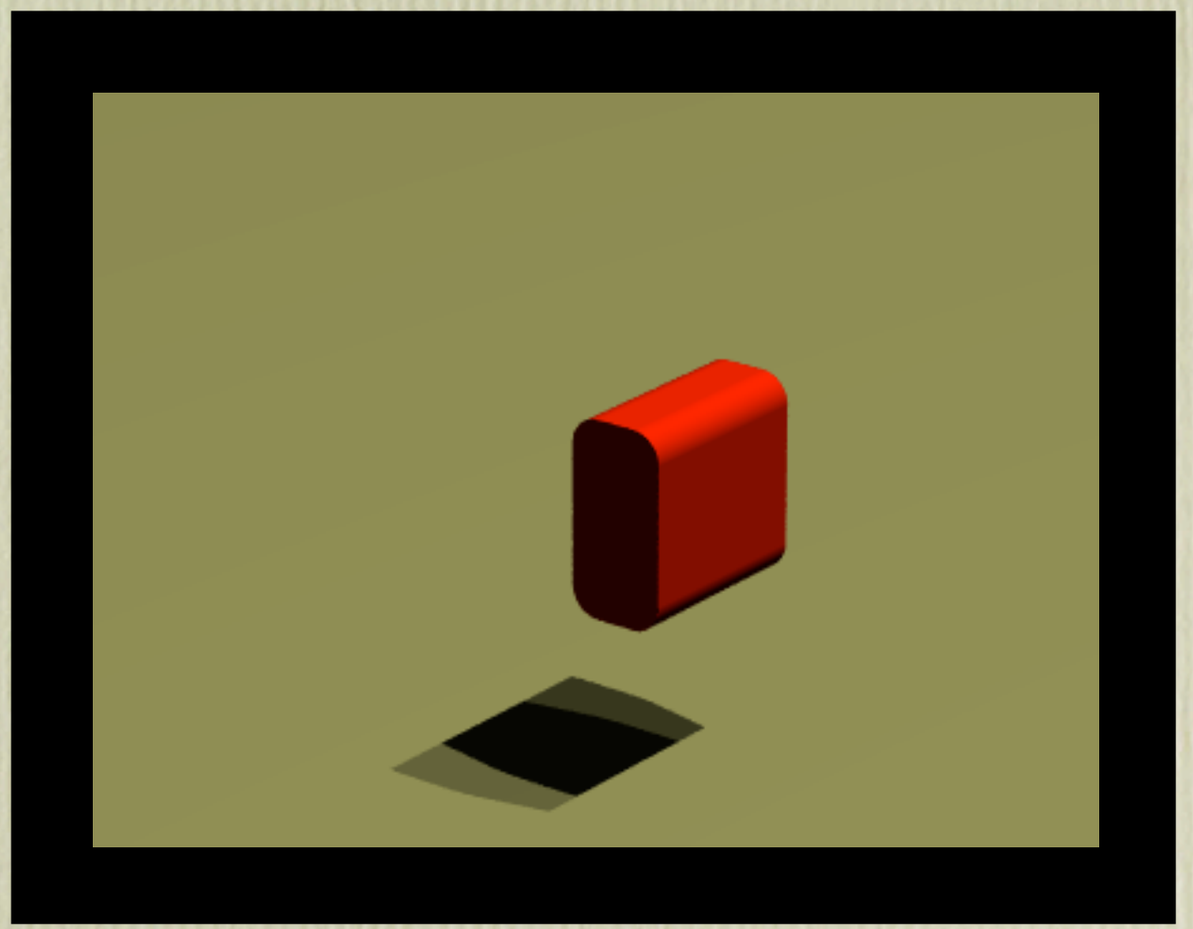
TeX and POV-ray

- Ascii input
- Free source (www.povray.org)
- Multiple platform
- Complete programming language
  (e.g. can read and write files)
- Extremely high precision output
- Unsurpassed quality







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Using POV-ray with TeX

Run TeX

Run POV

Run TeX

Write out POV code + Shell script

Demo

Future

- You can help (Hans – POV-fun?)
- Build tighter integration between two