



Figure: Sample Performance of a Panoramic Camera

### Assignment:

1. Simulate the image using Matlab or Blender, or alternatively explain the image formation by researching the topic.
2. Acquire a few images using the mirror and a digital camera
3. Unwrap the image
4. Provide a detailed write up of the experiment including all references and resources. Address the limitations of the current system. Is there a simple calibration technique? Can I get a better result if I have the user select straight lines and force the perspective?

### References:

Blender: [http://en.wikibooks.org/wiki/Blender\\_3D:\\_Noob\\_to\\_Pro/Looking\\_All\\_Around\\_-\\_Panorama\\_Settings](http://en.wikibooks.org/wiki/Blender_3D:_Noob_to_Pro/Looking_All_Around_-_Panorama_Settings)

Panoramic Tools: <http://www.path.unimelb.edu.au/~dersch/>