



Project 4: Escher's Art

Much of Escher's art is based on mathematics, particularly complex mathematics. Discuss examples of this such as the Circle Limit series and Print Shop. For the circle limit pictures, you might like to coordinate with the group working on hyperbolic tessellations.

A very interesting exposition on the techniques Escher (unknowingly) used in Print Shop can be found at <http://escherdroste.math.leidenuniv.nl/> Explain how the Dutch mathematicians and artists were able to 'complete' Print Shop. How does what Escher and later people did relate to the definition

$$z^\alpha := e^{\alpha \log z}$$

which we gave in class?