

1024-00-40

Edmund Harriss* (edmund.harriss@mathematicians.org.uk), Department of Mathematics,
Imperial College London, London, London SW7 2AZ, England. *Aspects of the Penrose Tiling.*

The Penrose tiling was discovered in the 1970s and is one of the simplest known sets of Aperiodic tiles. These are sets of tiles which tile the plane only in a non-periodic manner. It is also very beautiful as it has a five fold rotational symmetry.

In this talk I will discuss the Penrose tiling and the links between two methods of constructing it. The substitution method used by Penrose and the projection method discovered by De Bruijn. (Received December 11, 2006)