1024-51-74   **Dirk Frettloh*** (`dirk.frettloeh@udo.edu`), Fak. Math., 33501 Bielefeld, NRW, Germany.
About duality of cut-and-project tilings.

In connection with self-similar cut-and-project tilings, or model sets, several notions of 'duality' occur. This talk aims to giving an overview over the different concepts - distincting the cases of one-dimensional tilings and d-dimensional tilings - and showing connections between them.

These concepts include 'Galois-dual tilings' (Thurston, Gelbrich,...), tilings arising from the 'natural decomposition' of the window (Sirvent, Wang,...), 'dual substitutions' (Arnoux, Ito,...), 'invertible substitutions' (Wen-Wen, Ei,...) and more (Harriss,...). (Received December 29, 2006)