Course Title: Model Sets and Meyer Sets on Substitution Tilings
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A model set is a set of projected points which come from some slice of a lattice in higher dimension. This set is a very well ordered set in the sense of diffraction spectrum. We will study equivalent properties of model sets in substitution tilings. A Delone set is a point set which is uniformly discrete and relatively dense. A Meyer set is a Delone set whose translation vector set is also uniformly discrete. In fact, all model sets are Meyer sets. We will study equivalent properties of Meyer sets in substitution tilings.