Dear Reader

Allow us to acquaint you with another side of our work, which is somewhat theoretical, but may be useful to those who create mosaic pavements in “opus tesselatum” and “opus sectile” technique.

First of all permit to us to present some classical rosettes (fig.1).

Every visual construction rotated over an arbitrary selected point by the intervals aliquot to 360 degrees, form the phenomenon called ROSETTE (fig.2).

If the closed figure forms an endless centric surface, we have an *“endless rosette”*. If these figures are equal, it is *monoendric*. At the available points of 2, 3, 4, ... different figures become *diendric*, *threeendric*, *poliendric*, limitless or endless.

Figure 1

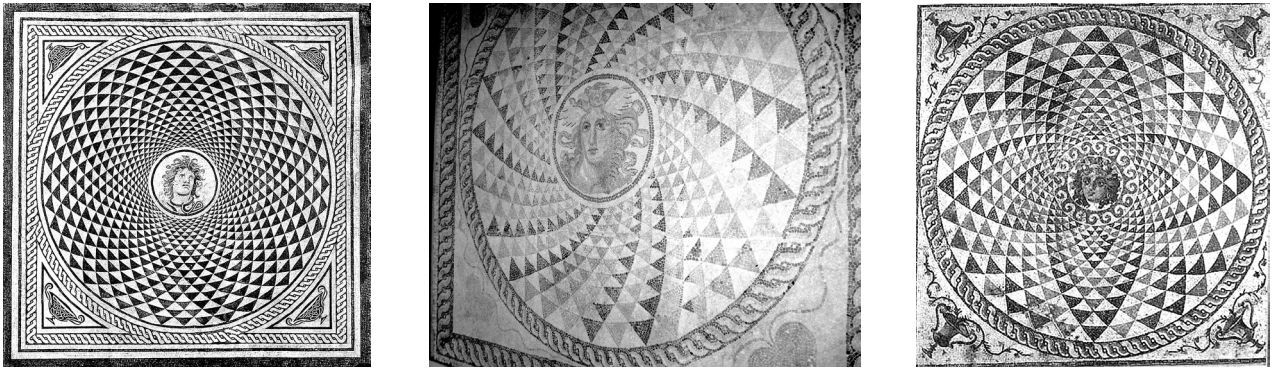
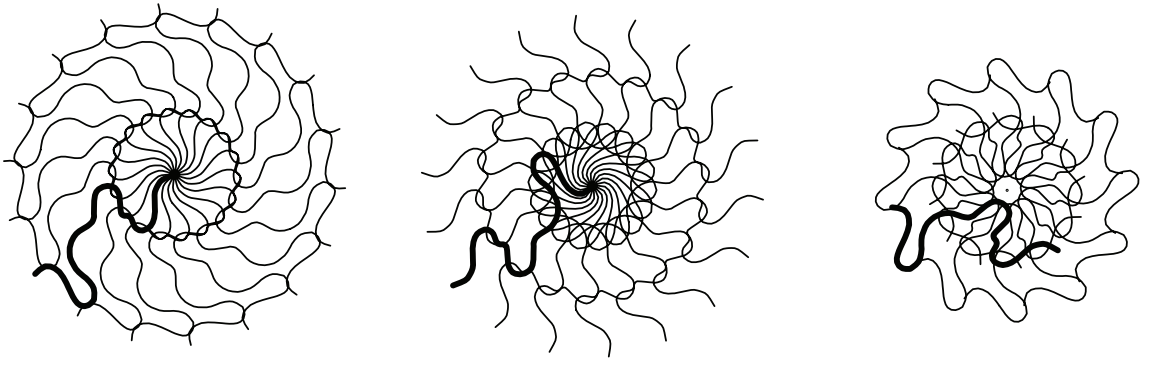


Figure 2



The rosettes of the “irregular convex pentagon“ is a group to which we must include the limited rosette from Hash’s pentagon (fig. 3) and Livio Zuka’s endless rosette (fig. 4).

The rosettes I examined are from the first and third degree in my book “Mosaics from Parquet Forming Irregular Convex Pentagons“ (fig. 5). Marjorie Rice’s rosette (fig. 6) are investigated in the article “On the parqueting pentagons, the rosette of Marjorie Rice and something else“ which we‘ve completed with an endless diendric rosette (fig. 7). In my “TABLE I“ (fig. 8) “the possibility for a new parqueting type” is presented – turned in a circle – this type is distinguished with the link AC, where it is realised in 180 degrees formed with two different and respectively changing angles. This created the possibility for endless shape variations, as well as for the rosettes formed from it (fig. 9).

Figure 3

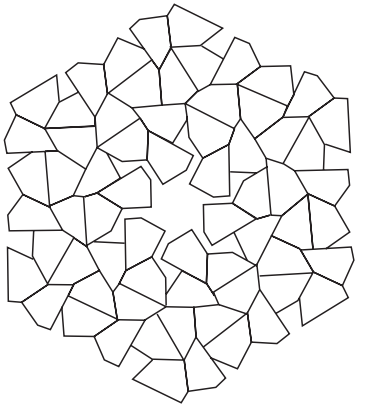


Figure 4

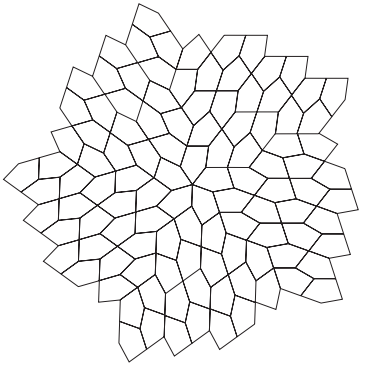


Figure 5

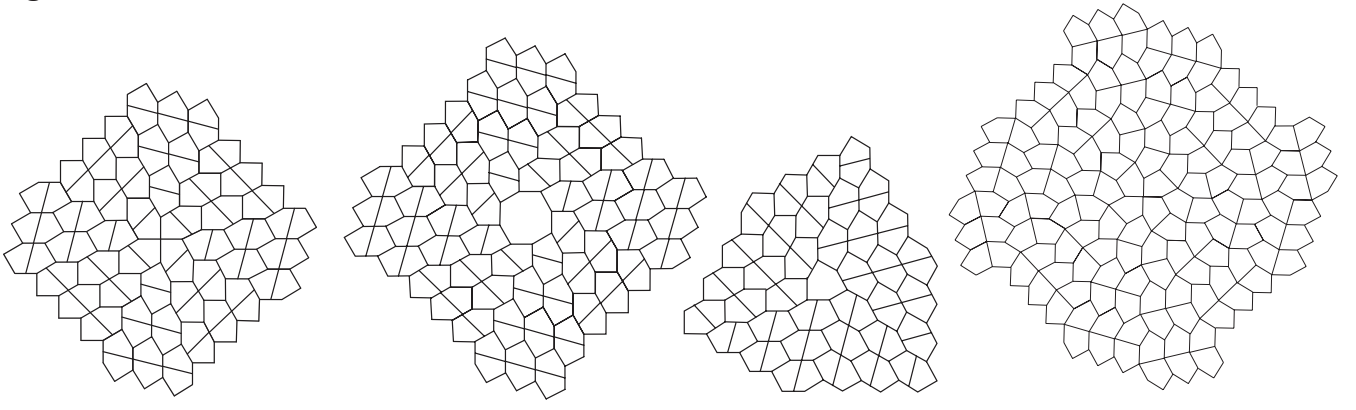


Figure 6

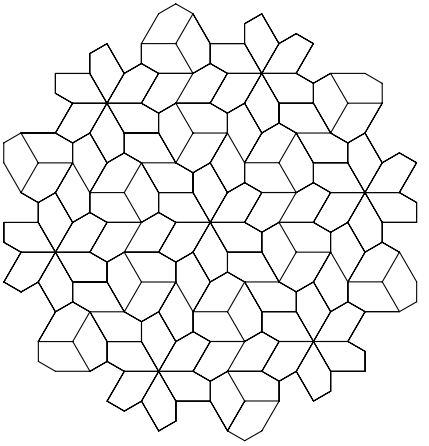


Figure 7

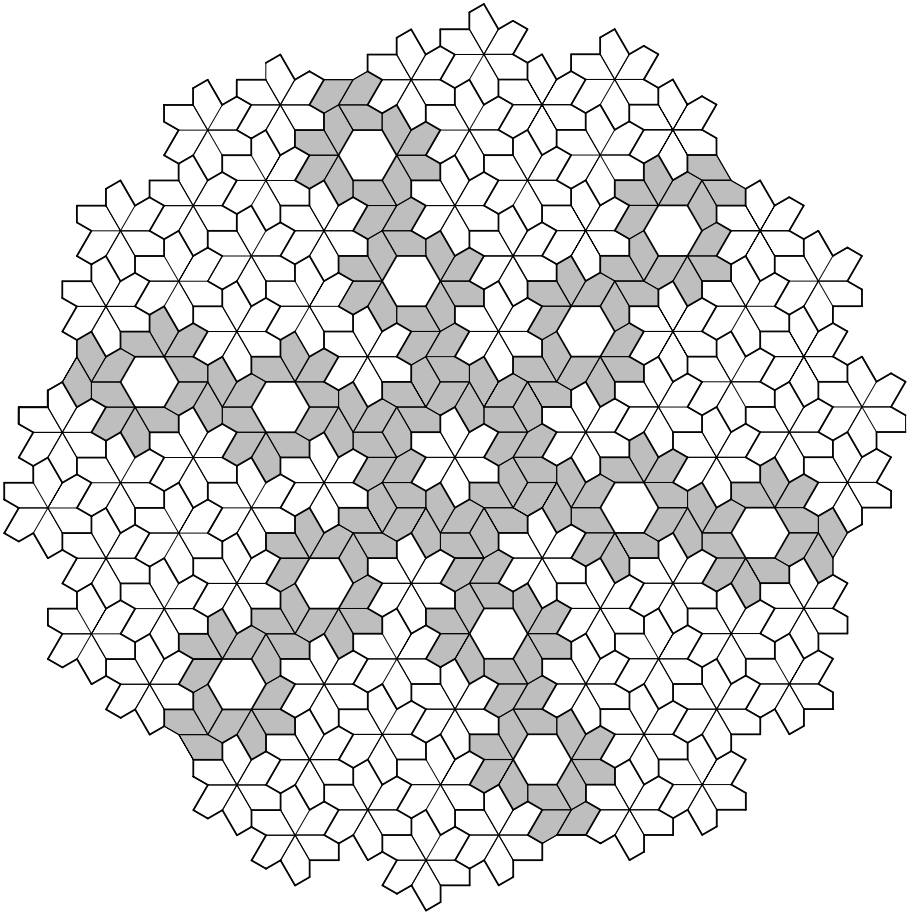


Figure 8. The Possibility for new parqueting types