

# Visual rhythms

Tamás F. Farkas is one of the most significant contemporary geometrical artists, whose works appear not merely at exhibitions from Paris to Tokio, but also at scientific conferences and workshops, as it has been e.g. at the 12th Scientific-Professional Colloquium of Croatian Society for Geometry and Graphics.

His visual researches are motivated by the intention to create new structures and "constructions that have never been seen before". His paintings and graphics reflect ardent desire to beauty and harmony. All these motivations lead to different realizations in two, three or even higher dimensional arrangements of forms, both real and imaginary (not constructable in the tangible world).

The cover page of this issue of KoG shows some Tamás F. Farkas's brand new planar creations. From mathematical point of view all these belong to discrete geometry, more precisely to periodic patterns and tilings. This area has a wide literature from the classical results of planar crystallographic groups e.g. to classification results of color groups. Not only mathematics, but physics, chemistry, crystallography and engineering sciences operate with the mentioned concepts and theories.

The fascinating, artistically formulated graphics are created empirically by Tamás, who works as an intuitive geometer in a way that is very rich in ideas.

T. F. Farkas's newest inventions, the admiring forms randed by circular arcs constitute a coherent, connected, yet undiscovered visual world. The objects we see express different relations: they rotate, whirl and wave. Structure, periodicity and symmetry makes the figures moving in an almost vivid way. The way of coloring just heighten the spatial imagination and the dynamics. The arrangements are full of life, it is easy to associate to exotic flowers or cells under the object glass of a microscope. The patterns of circular arcs recall images of petals, blooms, fruits and lush tropical vegetation. The forms swirl here and there, they wave and we think to see drops between the leaves.

Sometimes we feel to see frills, cloth making a fluttering movement and we are already at the dance, rhythm and music. If we let the pictures to lead us into the world of fantasy, then we may hear a melody from a far distance or discover the strange poesy of forms, full of youth and life. Tamás F. Farkas often refers to his pictures as "visual melodies", and indeed, the rhythm and the composing connects the two areas.

We do mention that this new geometric-artistic imagination may inspire the scientist, initiating new thoughts and helps to discover new relations between different layers of life.

ATTILA BÖLCSKEI

