Concordia

by Kevin Halpin

Music is the closest relative of mathematics. But the correspondence between nature, physics and music has been sensed for millennia but never articulated beyond generalised philosophical ideas such as the Music of the Spheres. *Concordia* examines the deeper levels of information that music represents and connects them directly to music's geometric and mathematical expressions. Using thought experiments with corresponding geometric proofs and the theory of music, strange truths about music's connection to nature are revealed which resemble quantum theory as much as music theory and mathematics.

Concordia continues the new understanding of music which began in *Euphony*. In addition to the new mathematical and geometric models is an entirely new way to understand and construct music and music theory. Above all, the structure of keys are demonstrated to be connected to the elemental forms of nature allowing music theory to connect more profoundly to nature, physics and mathematics.