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Avery S Zoch* (avery@equationgallery.com), 2804 Cetti, Houston, TX 77009. *Harmonic Cellular Continuum.*

In this article we define coverings for the Cantor sets in the plane that are continua called the Harmonic Cellular Continua and see how they are related to binary cellular division. There is a way to align the nuclei of any binary cellular division to the triodic Harmonic Cellular Continuum so that a path through all nuclei in the cell is a straight line passing through a triodic Cantor set in the continuum. There is a coloration of the regions of these continua which is of interest to the studies of color theory and Total Partitive Rational Continua.

These continua were initially conceived in the observations of studies of color receptors and observations of waves and their number of nodes superimposed with their anti waves. Harmonic Cellular Continuum is interesting as an example much like the French Horn or Knaster's Bucket Handle. (Received December 09, 2003)