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Avery S Zoch* (averyzoch@yahoo.com), 3419 Carnation, Houston, TX 77022. *Binary Statements of Closed Curves and Graphs.*

Paths of objects through spaces can produce lists of object properties reported by standard observers for a time interval of the object's journey at certain places on its path. This list of properties can be considered as a tuple of product space or as a number. These tuples can be elements in product spaces of properties, sets, colors, or numbers. Given any bounded closed curve or graph we may associate the numbers zero or one to its regions and produce for any line which may intersect it a binary number from a path through the line. Given any graph with weighted vertices or edges a tour or path of its edges and vertices can produce a binary number or element of the Hilbert cube. Many theorems and questions concerning binary numbers or weightings or properties for graphs exist with relation to the paths which can be taken through curves, lines, and graphs to yield specific conditions. (Received September 26, 2005)