## **Cube Section**

In this 3-D project, a square is first sectioned into two parts. The section is repeated on the six faces of the cube, which are then recombined to obtain more complex external surfaces. The external sections determine how the interior will be divided and a model is made, splitting the cube into three equal complex volumes. Based on the work of Paul Klee and Giorgio Scarpa. Sample project from the course:

**Communication Vehicles I** Course conducted by Pino Trogu School of the Arts Virginia Commonwealth University, Richmond, Virginia. Fall 1989



## (PART 3) SECTIONS OF CUBE

REFERENCE : KLEE

VIEIRA SCARPA

PROBLEM : SLICING A CUBIC CAKE INTO 3 EQUAL PARTS



BREAK DOWN THE PROBLEM



· SLICE ALONG DIAGONALS OF FACES . TWO SECTIONS FOR EACH FACE = 6 SECTIONS

· EXTERNAL STRUCTURE (BASED ON SQUARE)

OPPOSITE FACES ARE SLICED SIMULTANEOUSLY)



- DIVISION INTO 3 PA

THROUGHT

ROTATIONS

SECTIONS (IN TWO PA

(LIKE HINGES

IN A DOOR )

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THROU





















