

Symmetry: Culture and Science

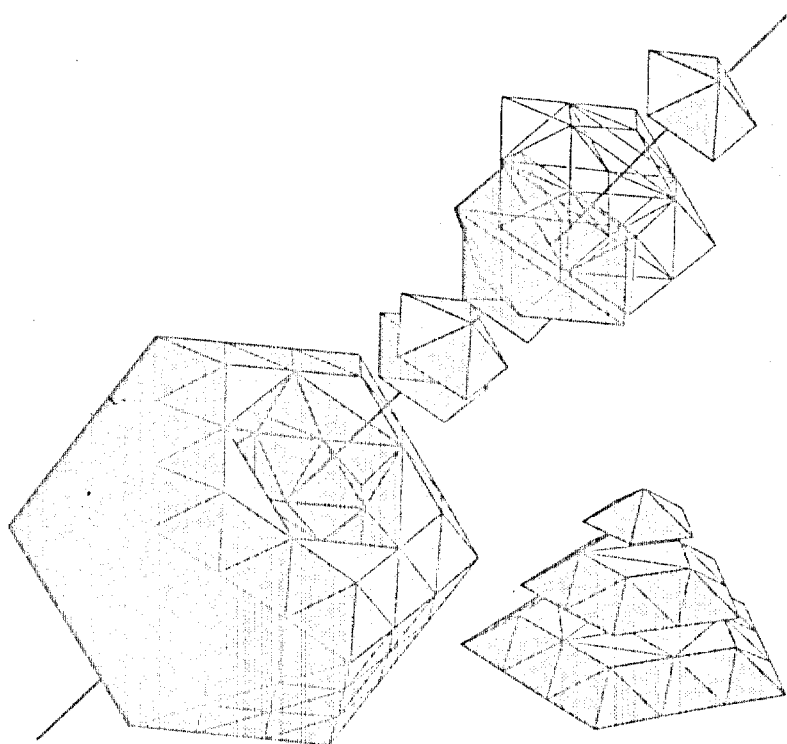
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Symmetry of Patterns, 2

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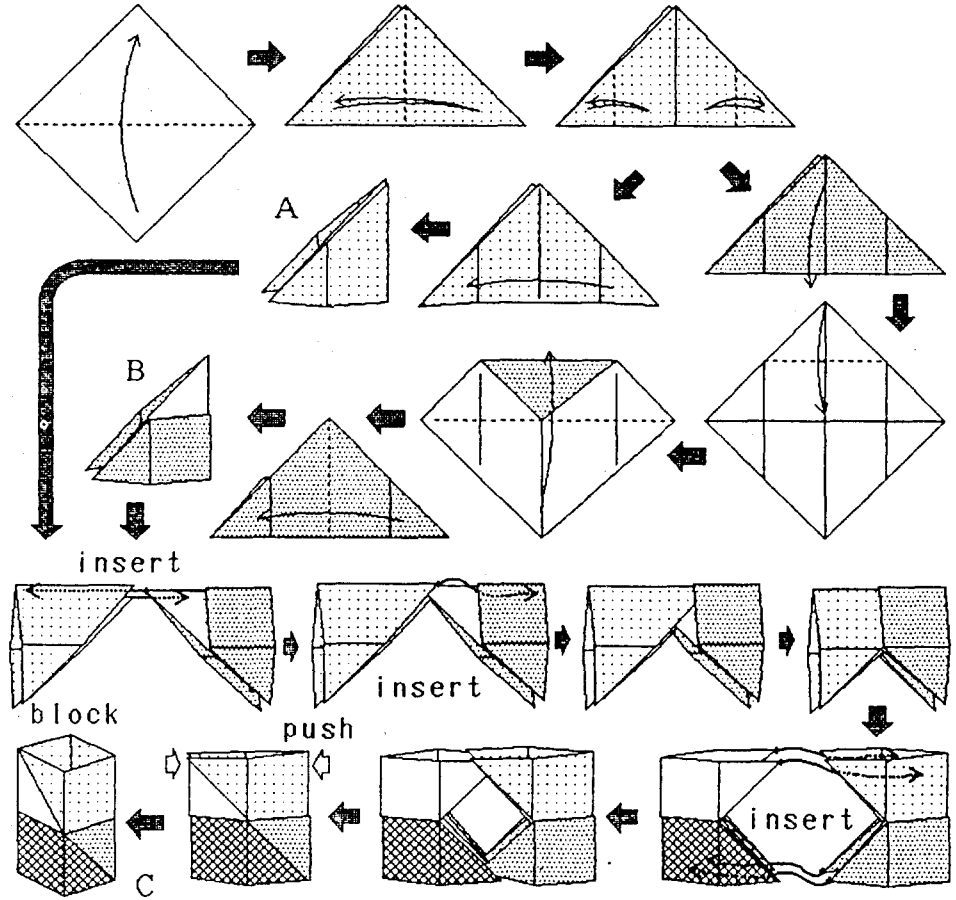


ORIGAMI ARCHITECTURE

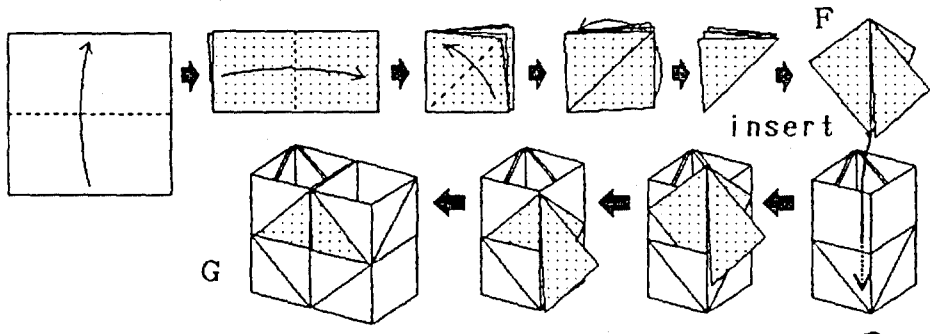
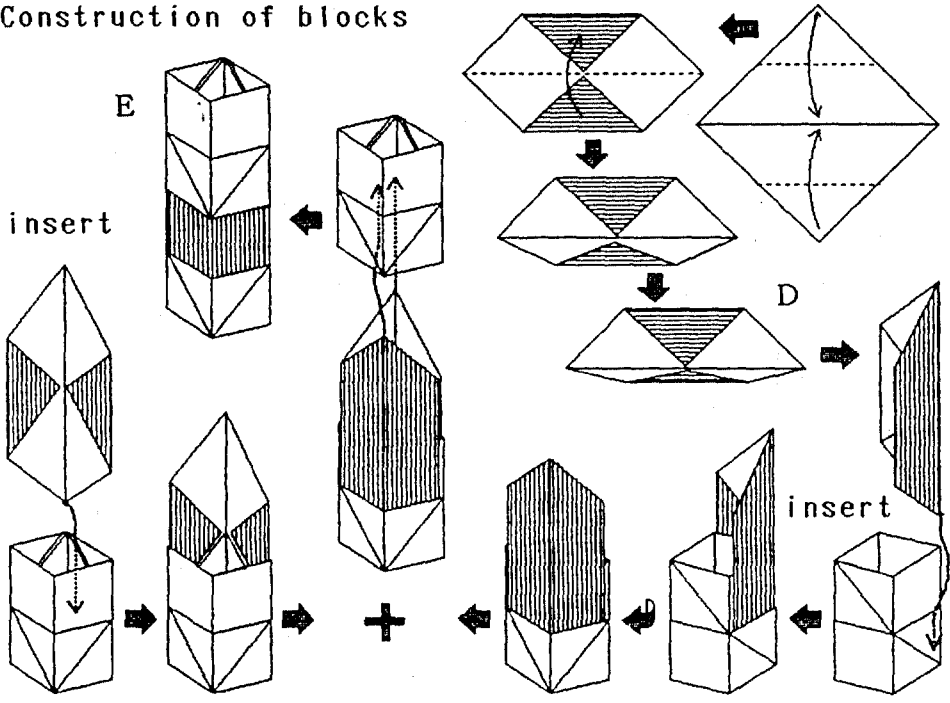
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Unit Origami is a new way of folding paper and joining the parts to form objects without using scissor or paste. Mitsunobu Sonobe thought of a 6-unit modular cube which is the origin of Unit Origami. In recent years, much work has done on the development of Unit Origami by Tomoko Fuse.

Block C is a 4-unit modular square cylinder. It is combined with other blocks by using joints D, F and etc like E and G. You can construct complex architecture by combining blocks. A block is very simple and has some symmetry. Its symmetry group is a free abelian group with order 4 generated by a half rotation and a reflection. When you observe combined blocks, you may find new symmetry.



Construction of blocks



Symmetry of blocks

