

# Shape Assembly



Although cubes and various types of burrs are common shapes for assembly puzzles, beautiful craftsmanship, often from wood, has gone into puzzles of many geometric shapes. Well known work on geometric puzzles going back to the 1970's has been by *Stewart Coffin*; see for example his book *The Puzzling World of Polyhedral Dissections*, as well as his *Ap-Art* book that catalogs the many puzzles he has made. See also the books of *Greg Frederickson*, including *Dissections Plane and Fancy* and others. *Rhombic Polyhedra Puzzles Part 1 and Part 2*, by *George Bell and Stephen Chin*, documents some of the beautiful work by *Interlocking Puzzles* in the 1980's. Some geometric puzzles employ coordinate motion (a term used by Stewart Coffin) where pieces must be slide together simultaneously when assembling; for example see the *Three Pairs* puzzle..