Hume-Rothery-Phases (Electron-compounds)

Elements of A2 (green) react with elements of B1 (violet) and forms different non stoichiometric phases with small and medium phase-widths. Structures are mainly being induced by ratios of Valence-Electron-Concentration (VEC).

Binary Copper (Cu) – Zinc (Zn) phase diagram containing Hume-Rothery-Phases (alpha – beta – gamma – epsilon – eta)