9.10: TLS twinning

TLS (Twin Lattice Symmetry) twinning is a term employed to indicate twinning where the twin lattice does not possess a pseudo-symmetry, differently from what happens in TLQS twinning.

In TLS twinning, the lattice row / lattice plane [*uvw*] / (*hkl*) defining the cell of the twin lattice are mutually perpendicular. When this perpendicularity is imposed by the symmetry of the lattice, one speaks of *intrinsic-TLS* (*i-TLS*). In all other cases, the conditions of perpendicularity, depend on one or more metric parameters: one then speaks of *extrinsic-TLS* (*e-TLS*).