1.39: D centered cell

The **D centered cell** is the used for the rhombohedral description of the hexagonal lattice. Six right-handed *D* cell with basis vectors of equal length are obtained from the *hP* cell by means of one of the following transformation matrices:

D_1: 10-1/01-1/111 D_2: -101/0-11/111

the other four *D* cells are obtained by cyclic permutation of the basis vectors.

The resulting *hD* cell has centering nodes at 1/3,1/3,1/3 and 2/3,2/3,2/3