

# Crystal structure of La-Si (lanthanum-silicon) system

## Crystal Structure

Using a suitable X-ray diffraction technique the  $\text{La}_5\text{Si}_4$  compound has been investigated. Its structure is tetragonal ( $\text{ZrSi}_4$ -type) and the lattice parameters are:  $a = 0.80467$  nm and  $c = 1.54476$  nm.

## Symbols and abbreviations

Short form	Full form
a, b, c	lattice parameters

## References

[02Yan] Yang, H.F., Rao, G.H., Chu, W.G., Liu, G.Y., Ouyang, Z.W., Liang, J.K.: J. Alloys Comp. **334** (2002) 131