

**substance:** Ce<sub>2</sub>Se<sub>3</sub>

**property:** crystal structure, physical properties

**crystal structure** cubic (Th<sub>3</sub>P<sub>4</sub>-defect structure, T<sub>d</sub><sup>6</sup> – I $\bar{4}$  3d)

**lattice parameters**

$a$	9.03 Å	coordination polyhedra: Fig. 1	65F, 66D
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**linear thermal expansion coefficient**

$\alpha$	12.2·10 <sup>-6</sup> K <sup>-1</sup>		66D
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**Debye temperature**

$\Theta_D$	342 K		66D
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**resistivity**

$\rho$	3.3·10 <sup>-3</sup> Ω cm		64R
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## References:

- 64R Reid, F. J., Matson, L. K., Miller, J. F., Himes, R. C.: J. Electrochem. Soc. 111 (1964) 943.
- 65F Flahaut, J., Guittard, M., Patrie, M., Pardo, M. P., Golabi, S. M., Domange, L.: Acta. Cryst. 19 (1965) 14.
- 66D Dudnik, E. M., Lashkarev, G. V., Paderno, Y. B., Obolonchik, V. A.: Inorg. Mater. 2 (1966) 833.
- 66H Holtzberg, F., Methfessel, S.: J. Appl. Phys. 37 (1966) 1433.

**Fig. 1.**

Th<sub>3</sub>P<sub>4</sub>-type compounds. The coordination polyhedra of the cations and the anions. Full circles: Th- atoms, other circles: P-atoms [66H].

