

## Database of the Subperiodic Rod Groups on the Bilbao Crystallographic Server

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Recently, we have started the development of databases for the subperiodic groups: the crystallographic data for the 80 layer groups including generators, general and special positions and maximal subgroups are already accessible on the Bilbao Crystallographic server ([www.cryst.ehu.es](http://www.cryst.ehu.es)) [1]. The aim of this contribution is to announce the development of a database for the 75 rod groups. In addition to the basic crystallographic data as found in the International Tables for Crystallography, Vol. E [2], the complete information on maximal subgroups of rod groups is made available. All maximal subgroups of index 2, 3 and 4 are listed individually whereas the infinitely many maximal isotypic subgroups are presented as infinite series. For each subgroup either its General position or a set of generators is given. The conjugacy relations of the subgroups in the original group are indicated. The transformation to the conventional coordinate system of the subgroup is available as a matrix for the change of the basis and a column for the origin shift. The symmetry information has been stored in XML and provisional CIF formats.

[1] Aroyo M.I., Capillas C., Perez-Mato J.M., Konstantinov P., Wondratschek H., *Acta Cryst.*, 2004, **A60**, s297. [2] *International Tables for Crystallography*, Volume E: Subperiodic Groups, Kopsky V., Litvin D., Kluwer Acad. Publ., 2002.

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