

Author index

Entries refer to chapter number.

- Alexander, E., 1.2
Aroyo, M. I., 1.2
- Balluffi, R. W., 5.2
Belov, N. V., 1.2
Bohm, J., 1.2
Bollmann, W., 5.2
Bozovic, I. B., 1.2
Brown, H., 1.2
Bulow, R., 1.2
Burns, G., 1.2
- Casher, A., 1.2
Chapuis, G., 1.2
Cochran, W., 1.2
Coxeter, H. S. M., 1.2
- Davies, B. L., 5.2
Dirl, R., 5.2
Dornberger-Schiff, K., 1.2
- Fischer, K. F., 1.2
Fischer, W., 1.2
- Fuksa, J., 1.2, 5.2
- Galyarskii, E. I., 1.2
Glazer, A. M., 1.2
Glück, M., 1.2
Goodman, P., 1.2
Grell, H., 1.2
Grell, J., 1.2
Grunbaum, G., 1.2
Guigas, B., 5.2
Gur, Y., 1.2
- Herbut, F., 1.2
Hermann, C., 1.2
Herrmann, K., 1.2
Hirschfeld, F. L., 5.2
Holser, W. T., 1.2, 5.2
- Janovec, V., 1.2, 5.2
- Kalonji, G., 5.2
Knof, W. E., 1.2
Koch, E., 1.2
- Köhler, K. J., 1.2
Kopský, V., 1.1, 1.2, 2, 3, 4, 5.1, 5.2, 6
Koptsik, V. A., 1.2
Krause, C., 1.2
- Litvin, D. B., 1.1, 1.2, 2, 3, 4, 5.1, 5.2, 6
Lockwood, E. H., 1.2
- Mackay, A. L., 1.2
Macmillan, R. H., 1.2
- Neronova, N. N., 1.2
Neubuser, J., 1.2
Niggli, A., 1.2
Nowacki, W., 1.2
- Opechowski, W., 1.2
- Pond, R. C., 5.2
- Saint-Grégoire, P., 5.2
Schranz, W., 5.2
Shephard, G. C., 1.2
- Shubnikov, A. V., 1.2
Smirnova, T. S., 1.2
Speiser, A., 1.2
Sutton, A. P., 5.2
- Tarkhova, T. N., 1.2
- Vainshtein, B. K., 1.2
Vlachavas, D. S., 5.2
Vujicic, M., 1.2
- Warhanek, H., 5.2
Weber, L., 1.2
Wike, T. R., 1.2
Wilson, A. J. C., 1.2
Wondratschek, H., 1.2, 5.2
Wood, E., 1.2, 5.2
Woods, H. J., 1.2
- Zak, J., 1.2
Zamorzaev, A. M., 1.2
Zassenhaus, H., 1.2
Zikmund, Z., 5.2

Subject index

- Affine subperiodic group types, 5
Asymmetric unit, 14
Auxiliary basis of the scanning group, 404
Auxiliary tables, 401, 403
- Bases
 auxiliary basis of the scanning group, 404
 conventional basis of the scanning group, 397, 401
 crystallographic, 5
Bicrystal, 395, 414
 ideal, 414
Bicrystallography, 395, 414
Black and white crystals, 415
Boundary, 414
Bravais–Miller indices, 396–397, 399, 404, 409
 transformation of, 410
- Cadmium chloride, CdCl_2 , 414
Cadmium iodide, CdI_2 , 414
Calomel, Hg_2Cl_2 , 416–417
Cell choice, 7, 405
Central plane, 416
Cheshire group, 398
Conventional basis of the scanning group, 397, 401
Crystallographic basis, 5
- Dichromatic complex (dichromatic pattern), 415
Domain pair, 415
 non-transposable, 417
 ordered, 417
 transposable, 417
 unordered, 417
Domain states, single, 415–416
Domain twin, 414–415
Domain wall, 415
- Enantiomorphic rod-group types, 5
Enantiomorphic subgroups of lowest index, 21
Enantiomorphic supergroups of lowest index, 21
Euclidean normalizer, 398
- Factor group, 395
Floating group, 397, 400
Frieze groups, 31
- General locations of section planes, 400
General orientation, 399
General-position diagrams, 8
Generators, 16
- Groups
 factor, 395
 floating, 397, 400
 frieze, 31
 layer, 221
 parent, 416
 penetration rod, 395–396
 point, 5
 rod, 39
 scanned, 397
 scanning, 397, 401
 sectional layer, 395–396, 400, 402
- Hermann–Mauguin symbols for subperiodic groups, 7
- Ideal bicrystal, 414
Inclined scanning, 398, 400
Interface, 414
- Klassengleiche* (k) subgroups, 20
Klassengleiche (k) supergroups, 21
- Lattice, 5
Layer groups, 221
Linear constituent, 416
Linear orbit, 399, 402
Locations of section planes
 general, 400
 special, 400
- Maximal subgroups, 19
 enantiomorphic subgroups of lowest index, 21
 isotypic subgroups, 21
 non-isotypic non-enantiomorphic subgroups, 20
Miller indices, 396–397, 399, 403–404
 transformation of, 404, 413
Minimal supergroups, 19
 enantiomorphic supergroups of lowest index, 21
 isotypic supergroups, 21
 non-isotypic non-enantiomorphic supergroups, 21
Monoclinic/inclined scanning, 400
Monoclinic/orthogonal scanning, 400
- Nomenclature for subperiodic groups, 21
Non-isotypic non-enantiomorphic subgroups, 20
Non-isotypic non-enantiomorphic supergroups, 21
Nontrivial symmetry operations of a twin, 416
- Obverse setting, 408–409
Orbit
 linear, 399, 402
 orientation, 399, 401, 404
 translation, 400
Orientation of a plane, 396
Orientation orbit, 399, 401, 404
Oriented site-symmetry symbols, 16
Origin, 14
Orthogonal scanning, 397, 400
- Parent group, 416
Parent structure, 416
Patterson symmetry, 8
Penetration line, 396
Penetration rod groups, 395–396
Point group, 5
Proper affine subperiodic group types, 5
- Reference tables, 404
Reflection conditions, 17
Rod groups, 39
- Scanned space group, 397
Scanning, 395–396
 for penetration rod groups, 396
 for sectional layer groups, 396
 inclined, 398, 400
 monoclinic/inclined, 400
 monoclinic/orthogonal, 400
 orthogonal, 397, 400
 triclinic, 400, 405
 types of, 398
Scanning direction, 397
Scanning group, 397, 401
 auxiliary basis, 404
 conventional basis, 397, 401
Scanning line, 397
- Scanning tables, 395, 421
Scanning theorem, 397
Scanning vector, 397
Section plane, 396
 locations of, 400
 symmetry of, 400
Sectional layer groups, 395–396, 400, 402
Seitz notation, 15
Setting, 6, 10, 401
 obverse, 408–409
Side-reversing operations of a twin, 416
Sidedness, 416
Single domain states, 415–416
Site-symmetry symbols, oriented, 16
Special locations of section planes, 400
Special orientations
 with fixed parameters, 399
 with variable parameters, 399
Special projections, symmetry of, 17
State-reversing operations of a twin, 416
Subgroups and supergroups, 19
 enantiomorphic subgroups of lowest index, 21
 enantiomorphic supergroups of lowest index, 21
 klassengleiche (k) subgroups, 20
 klassengleiche (k) supergroups, 21
 maximal subgroups, 19
 minimal supergroups, 19
 translationengleiche (t) subgroups, 20
 translationengleiche (t) supergroups, 21
Subperiodic group diagrams, 8
 for frieze groups, 14
 for layer groups, 9
 for rod groups, 11
Subperiodic group types
 affine, 5
 proper affine, 5
Symbols
 for frieze groups, 22
 for layer groups, 24
 for rod groups, 22
 for subperiodic groups, 7, 22
 used in Parts 1–4, 2
 used in Parts 5 and 6, 394
Symmetry diagrams, 8
Symmetry directions, 8
Symmetry of special projections, 17
Symmetry operations, 15
 of a twin, 416
- Translation orbit, 400
Translationengleiche (t) subgroups, 20
Translationengleiche (t) supergroups, 21
Triclinic scanning, 400, 405
Trivial symmetry operations of a twin, 416
Twin, 416
Twin boundary, 414
Twin symmetry, 416
 nontrivial, 416
 side-reversing, 416
 state-reversing, 416
 trivial, 416
Types of scanning, 398
- Variants, 415
- Wyckoff positions, 16