

Author index

Entries refer to chapter number.

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

Subject index

- Affine subperiodic group types, 5
Asymmetric unit, 14
Auxiliary basis of the scanning group, 401
Auxiliary tables, 398, 401
Bases
 auxiliary basis of the scanning group, 401
 conventional basis of the scanning group, 395, 399
 crystallographic, 5
Bicrystal, 393, 411
 ideal, 411
Bicrystallography, 393, 411
Black and white crystals, 411
Boundary, 411
Bravais–Miller indices, 394, 395, 396, 401, 406
 transformation of, 407
Cadmium chloride, CdCl_2 , 410
Cadmium iodide, CdI_2 , 410
Calomel, Hg_2Cl_2 , 412, 413
Cell choice, 7, 402
Central plane, 412
Cheshire group, 396
Conventional basis of the scanning group, 395, 399
Crystallographic basis, 5
Dichromatic complex (dichromatic pattern), 411
Domain pair, 411
 non-transposable, 413
 ordered, 413
 transposable, 413
 unordered, 413
Domain states, single, 411, 412
Domain twin, 411, 412
Domain wall, 411, 412
Enantiomorphic rod-group types, 5
Enantiomorphic subgroups of lowest index, 20
Enantiomorphic supergroups of lowest index, 22
Euclidean normalizer, 396
Factor group, 393
Floating group, 395, 397
Frieze groups, 29
General locations of section planes, 397
General orientation, 397
General-position diagrams, 8
Generators, 15
Groups
 factor, 393
 floating, 395, 397
 frieze, 29
 layer, 219
 parent, 412
 penetration rod, 393, 394
 point, 5
 rod, 37
 scanned, 395
 scanning, 395, 399
 sectional layer, 393, 394, 397, 400
Hermann–Mauguin symbols for subperiodic groups, 7
Ideal bicrystal, 411
Inclined scanning, 395, 398
Interface, 411
Klassengleiche (*k*) subgroups, 19
Klassengleiche (*k*) supergroups, 20
Lattice, 5
Layer groups, 219
Linear constituent, 412
Linear orbit, 397, 400
Locations of section planes
 general, 397
 special, 397
Maximal subgroups, 17
 enantiomorphic subgroups of lowest index, 20
 isotypic subgroups, 20
 non-isotypic non-enantiomorphic subgroups, 18
Miller indices, 394, 395, 396, 401
 transformation of, 401, 410
Minimal supergroups, 17
 enantiomorphic supergroups of lowest index, 22
 isotypic supergroups, 21
 non-isotypic non-enantiomorphic supergroups, 20
Monoclinic/inclined scanning, 398
Monoclinic/orthogonal scanning, 398
Nomenclature for subperiodic groups, 22
Non-isotypic non-enantiomorphic subgroups, 18
Non-isotypic non-enantiomorphic supergroups, 20
Non-trivial symmetry operations of a twin, 413
Obverse setting, 405, 406
Orbit
 linear, 397, 400
 orientation, 396, 399, 401
 translation, 397
Orientation of a plane, 394
Orientation orbit, 396, 399, 401
Oriented site-symmetry symbols, 16
Origin, 13
Orthogonal scanning, 395, 398
Parent group, 412
Parent structure, 412
Patterson symmetry, 8
Penetration line, 394
Penetration rod groups, 393, 394
Point group, 5
Proper affine subperiodic group types, 5
Reference tables, 401
Reflection conditions, 16
Rod groups 37
Scanned space group, 395
Scanning, 393, 394
 for penetration rod groups, 394
 for sectional layer groups, 394
 inclined, 395, 398
 monoclinic/inclined, 398
 monoclinic/orthogonal, 398
 orthogonal, 395, 398
 triclinic, 398, 402
 types of, 396
Scanning direction, 394
Scanning group, 395, 399
 auxiliary basis, 401
 conventional basis, 395, 399
Scanning line, 394
Scanning tables, 393, 417
Scanning theorem, 395
Scanning vector, 394
Section plane, 394
 locations of, 397
 symmetry of, 397
Sectional layer groups, 393, 394, 397, 400
Setting, 5, 9, 398
 obverse, 405, 406
Sidedness, 412
Side-reversing operations of a twin, 413
Single domain states, 411, 412
Site-symmetry symbols, oriented, 16
Special locations of section planes, 397
Special orientations
 with fixed parameters, 397
 with variable parameters, 397
Special projections, symmetry of, 16
State-reversing operations of a twin, 413
Subgroups and supergroups, 17
 enantiomorphic subgroups of lowest index, 20
 enantiomorphic supergroups of lowest index, 22
 klassengleiche (*k*) subgroups, 19
 klassengleiche (*k*) supergroups, 20
 maximal subgroups, 17
 minimal supergroups, 17
 translationengleiche (*t*) subgroups, 19
 translationengleiche (*t*) supergroups, 20
Subperiodic group diagrams, 8
 for frieze groups, 12
 for layer groups, 8
 for rod groups, 10
Subperiodic group types
 affine, 5
 proper affine, 5
Symbols
 for frieze groups, 26
 for layer groups, 27
 for rod groups, 27
 for subperiodic groups, 7, 22
 used in Parts 1–4, 2
 used in Parts 5 and 6, 392
Symmetry diagrams, 8
Symmetry directions, 7
Symmetry of special projections, 16
Symmetry operations, 15
 of a twin, 412
Translation orbit, 397
Translationengleiche (*t*) subgroups, 19
Translationengleiche (*t*) supergroups, 20
Triclinic scanning, 398, 402
Trivial symmetry operations of a twin, 412
Twin, 412
Twin boundary, 411
Twin symmetry, 412
 non-trivial, 413
 side-reversing, 413
 state-reversing, 413
 trivial, 412
Types of scanning, 396
Variants, 411
Wyckoff positions, 16