

Unique Planes

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graph TD; A[Unique Planes] --> B[Generate all miller indices given the maximum index value]; B --> C[Convert miller indices to real space vectors using metric tensor]; C --> D[Identify space group symmetry and iteratively apply all symmetry operations removing duplicate surfaces]; D --> E[Convert symmetrically unique surfaces from real space back to miller indices];
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Generate all miller indices given the maximum index value

Convert miller indices to real space vectors using metric tensor

Identify space group symmetry and iteratively apply all symmetry operations removing duplicate surfaces

Convert symmetrically unique surfaces from real space back to miller indices