

# 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. Remove vectors that transform into one another by symmetry operations.]; D --> E[Convert symmetrically unique vectors 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. Remove vectors that transform into one another by symmetry operations.

Convert symmetrically unique vectors from real space back to miller indices