

Unit Cells in Space or Spaces for Unit Cells

Your Name

Your Institution

Introduction

Unit cells are the fundamental repeating units in crystalline structures. Their spatial

arrangement plays a crucial role in determining material properties.

Methods

We examine crystallographic reductions, including

transformations such as **Niggli reduction** using 3×3 matrices.

Results

example-figure.png

Conclusion

The unit cell transformation methods explored here provide insights into space group

classifications and lattice symmetry.