## Courses » Symmetry and Structure in the Solid State

Announcements Course Ask a Question Progress FAQ

## Unit 11 - Basics of X Ray Diffraction 1



Notations.

| Interaction |
| :--- |
| Session |
| Text Transcripts |
| Basics of X Ray <br> Diffraction 1 |

Quiz : Week 7Assignment 7

Interference of
Waves
X Ray
Scattering; optical Analogy

X Ray
Scattering;
Fourier
transforms
X Ray
Scattering;
Deriving Laue
Conditions from scattering theory

X Ray
Scattering;
Laue conditions
to Bragg 's
Law,
Introduction to Reciprocal lattice

## Basics of X Ray <br> Diffraction 2

Bragg's Law in
Reciprocal
Space
Structure
Determination
Methodologies 1

## Structure

Determination Methodologies 2

Powder Diffraction
Method \&
Quantum
Crystallography
4) Identify the miller indices of the marked plane


No, the answer is incorrect.
Score: 0
Accepted Answers:
-1 -2 0
5) Identify the miller indices of the marked plane


2 points

2 points
2 points
而


No, the answer is incorrect.
Score: 0
Accepted Answers:
-3-2 1
7) When writing the index for a set of symmetrically related planes, which type of brackets 2 points should be used?(Round)\{Curly\}<triangular>[Square]
No, the answer is incorrect.
Score: 0
Accepted Answers:
\{Curly\}

## Previous Page

