## Courses » Symmetry and Structure in the Solid State

Announcements Course Ask a Question Progress FAQ

## Unit 13 - Bragg's <br> Law in Reciprocal Space

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Register for Certification exam
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Course outline

How to access the portal

Basics of Symmetry 1 : Generation of
Point Groups

Basics of Symmetry 2: Detailed Understanding of 32 Point Groups

Assignment of Point Groups to Crystal Systems and Bravais
Lattice
Basics of
Symmetry 4:
Space Group
Description And
Introduction to the International Tables of
Crystallography(ITCVol. A).

## Correlation

Between
Symmetry
Diaarams and

## Week 9 - Assignment 9

The due date for submitting this assignment has passed.
As per our records you have not submitted this Due on 2019-04-03, 23:59 IST. assignment.

1) What is the radius of Ewald sphere? 2 points


No, the answer is incorrect.
Score: 0
Accepted Answers:
$1 / \lambda$
2) What is the radius of limiting sphere?

2 points

- $2 / 2 \lambda$
- $4 / \lambda$
(-2/ $\lambda$
(-) $4 / \lambda$
No, the answer is incorrect.
Score: 0
Accepted Answers:
2/入

3) Find out the total number of possible reflections for a cubic crystal with $a=10 \AA$ by using a 2 points wavelength $\lambda=1 \AA$


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