

Session Program

10 July 2023 to 11 August 2023

**Summer Pre-Physics PhD Math Enrichment
Program (2023)**

Problem Session

UMD, Toll 1120

Monday 10 July

09:30

16:30

Problem Session: Day 2

Session | Location: UMD, Toll 1120 | Convener: Chris Palmer

09:30-12:00 **Morning**

Tuesday 11 July

09:30

16:31

Problem Session: Day 3

Session | Location: UMD, Toll 1120 | Convener: Chris Palmer

16:30-16:31 **Material up to day 3**

Speaker

Chris Palmer

Thursday 13 July

09:30
|
16:00

Problem Session: Day 4

Session | Location: UMD, Toll 1120 | Convener: Chris Palmer

Sunday 16 July

09:30
|
17:00

Problem Session: Day 5

Session | Location: UMD, Toll 1120 | Convener: Chris Palmer

Monday 17 July

09:30

16:05

Problem Session: Day 6

Session | Location: UMD, Toll 1120

16:00-16:05 **Slides up to this today**

Speaker

Chris Palmer

Tuesday 18 July

09:30

Problem Session: Day 7 - Morning

Session | Location: UMD, Toll 1120 | Convener: Chris Palmer

11:00

13:20

Problem Session: Day 7 - Afternoon

Session | Location: UMD, Toll 1120

17:00-17:01

Today's problems

Speaker

Chris Palmer

17:01

Wednesday 19 July

09:30

Problem Session: Morning Session

Session | Location: UMD, Toll 1120

09:30-10:50 Gauss' Law Problems

10:50-11:05 Break

11:05-12:30 Gauss' Law Problems

12:30-13:40 Lunch

13:40-14:50 Stokes' Theorem Overview and Practice

14:50-15:05 Break

15:05-16:15 Stokes' Theorem Problems

16:35

Thursday 20 July

09:30

Problem Session: Day 9: Morning Session

Session | Location: UMD, Toll 1120

09:30-11:00 **Gauss' Law - Infinite Plane**

11:00-11:10 **Break**

11:10-12:30 **Gauss' Law - Infinite line of charge**

Speaker

Chris Palmer

12:30

Sunday 23 July

09:30

Problem Session: Day 10

Session | Location: UMD, Toll 1120 | Convener: Prof. Jim Gates

09:30-10:40 **Morning Session**

Speakers

Chris Palmer, Prof. Jim Gates

10:40-10:50 **Break**

10:50-12:20 **Late Morning Session**

12:20-13:30 **Lunch**

13:30-15:00 **Afternoon Session**

Speakers

Chris Palmer, Prof. Jim Gates

15:00-15:15 **Break**

15:15-17:00 **Late Afternoon Session**

Speakers

Chris Palmer, Prof. Jim Gates

19:40