

**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

11:00

13:20

17:01

### Problem Session: Day 7 - Morning

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

### Problem Session: Day 7 - Afternoon

**Session** | **Location:** UMD, Toll 1120

17:00-17:01

#### Today's problems

#### Speaker

Chris Palmer

## 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