

MAT3

# MATHEMATICAL TRIPOS Part III

Tuesday 4 June 2024 9:00 am to 12:00 pm

#### **PAPER 311**

## **BLACK HOLES**

# Before you begin please read these instructions carefully

Candidates have THREE HOURS to complete the written examination.

Attempt no more than **THREE** questions.

There are **FOUR** questions in total.

The questions carry equal weight.

### STATIONERY REQUIREMENTS

SPECIAL REQUIREMENTS

Cover sheet

Treasury tag

Script paper

Rough paper

You may not start to read the questions printed on the subsequent pages until instructed to do so by the Invigilator.

None