

Advanced Topics in Geometry A1 (MTH.B405)

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Notice

- Today is the final class of MTH.B405. Thank you for attending and cooperating the course.
- Please fill the form “Course Survey” in LMS.

Course Survey

The screenshot shows a web browser window with the URL `lms.isct.ac.jp/2025/course/view.php?id=5395&lang=en`. The page is from the Institute of Science Tokyo (ISCT) LMS. The header includes the ISCT logo, navigation links (Year / Q, Home, Dashboard, My courses), a search bar, and user profile information (KJU). The main content area is titled '幾何学特論A1 / Advanced topics in Geometry A1' and includes a 'Course' tab. A sidebar on the right shows 'ttcancelclass' and 'Cancellation notice'. The main content is organized into a 'General' section with a 'Collapse all' button. This section contains links to 'Announcement', 'Syllabus (official)', 'Syllabus as of 11. April 2025', 'Schedule as of 11. April 2025', 'Lecture Notes', and 'Course Survey'. At the bottom, there is a 'Contact/Office hours' section.

アカウント

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ttcancelclass

Cancellation notice

General

Collapse all

Announcement

Syllabus (official)

Syllabus as of 11. April 2025

Schedule as of 11. April 2025

Lecture Notes

Course Survey

Contact/Office hours

Q and A

- Q: Do we have any example when (g_{ij}, h_{ij}) does not satisfy Gauss equation or Codazzi equation, and show that such surface does NOT exist?
- Q: What happens if two symmetric matrices \hat{I} and \hat{II} with components that are real-valued C^∞ -functions on U satisfy only Gauss equation? Or only Codazzi's? Can anything be said about the existence of regular surfaces p with fitting fundamental forms in such cases?