Advanced Topics in Geometry A1 (MTH.B405)

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Notice

- ▶ May 09 (Fri): Tuesday's programme. No lecture of "MTH.B405"

- ▶ Next Lecture: May 16 (Fri)

- ▶ Deadline of today's homeworks: April 30 (Wed) 10:00JST.

Q and A

▶ 毎回 zoom 録画 がアップされるのでしょうか.
Will zoom recordings be uploaded each time?
Comment: そのつもりです. Yes.

▶ On the blackboard file 3, the lemma states that $d^2f = 0$ for
all functions and used schwarz theorem for the proof. Don't
we need to assume that $f \in C^2$ at least?

Comment: Of course f must be C^2. Sorry that I might drop
the declaration:

> In our context, we assume all quantities are of class C^∞
> whenever otherwise stated.

Q and A

▶ Actually I don't understand first and second fundamental forms I and II. I think I didn't learn these two concepts during my undergraduate studies. Would you please give me some suggestions about reference materials?

Comment: Don't worry. These concepts will actually be introduced in 4th lecture. At this time, think that they are only "words".