## Advanced Topics in Geometry B1 (MTH.B406)

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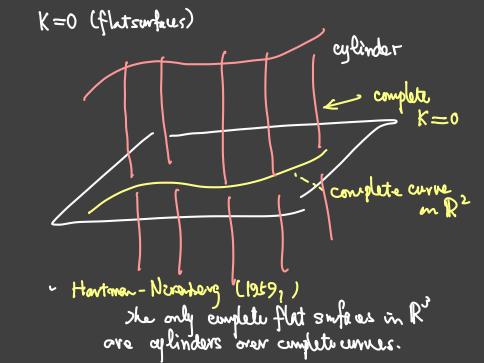
## Important notices

- ► Lecture on 18. July is cancelled. Next class will be 25th of July.
- ▶ Please fill the form "Course Survey" on LMS.

## Q and A

- Q: Are there any other examples, such as pseudospherical surfaces, where the Gaussian curvature can tell if it is complete or not?
- $\neq$  complete surface in  $\mathbb{R}^3$  with const K<0.
- · const K>0 case: the only complete surface in R3 is the round sphere. Lecture 1900

Compost > rand sphere
Howtman- Nivenhers 1959,
complete > differ. S2



## Q and A

Q: Is there a specific metric that is commonly used? Or are they prepared individually as needed?

· Depending.

· Some problem requires "good" medic const curvature sympetric spree ---· Some problem looks for "good" metric. curst curvature, Kähler Einsten --.