

Advanced Topics in Geometry A1 (MTH.B405)

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Q and A



Advanced Topics in Geometry A1

 ${\sf Q} \mbox{ and } {\sf A}$



matrix or is it just an abstract definition? Weirgarten formula V: Surface - (Pu 8 \mathbb{R}^3 dy: dane longent plane

${\sf Q} \mbox{ and } {\sf A}$

Q: Since the principal curvatures are the curvature of the most curved direction and the Gaussian curvature is the product of the two of them, I think I can get roughly a shape of surface from the sign of Gaussian curvature. On the other hand, I am not sure what the mean curvature geometrically. Is it something that can be intuitively understood?

7th lecture.

H= growth rate of area in pavoillel enforce ${\sf Q} \mbox{ and } {\sf A}$

Q: Does the notion $(g^{ij}) = (g_{ij})^{-1}$ mean that g^{ij} is the (i, j)-component of the inverse matrix of the matrix $(g_{ij})?$ 2×2 matrix (get) inverse metrix giī = Pit·Pi 22