

§ Notes on Differential Geometry and Lie Groups By [Jean Gallier](#)

Machine perception 機械知覺 Catadioptric cameras 折反射相機

catadioptric fundamental matrices Lorentz group $O(3,1)$

The set of fundamental matrices turns out to form a manifold F .

Chris Geyer found that the space F is isomorphic to $O(3,1) \times O(3,1) / H_F$

$$\dim F = 2 \times 6 - 3 = 9$$

一個電腦資訊科學家的微分幾何與李群筆記。

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