Lecture 6 Lie group

We have seen some elements in Lie group so far.

- Definition & examples

 GL(n, R) on GL(n, C), SL(n, R), O(n), Spl2n), 53, R7, T,...
- Lie group homomorphism φ: F→G

 Global constant Vank (⇒ group isomorphism is a diffeo)
- Lie subgroup (as an embedded submited)

 O(n)
 G(u, R) or S3
 1R4(50)

To be explored:

G + vector field, differential form, integration