Well-known results in Geometry

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Contents

3. Homeomorphy

1	TODO Levels of classification:	1
2	TODO Riemann submersion	2
3	TODO Normal coordinates in Riemannian behaves nicely	2
4	TODO Curvature	2
	1. Grassmannian is a homogeneous space (quotient of Lie group) $Grass O(n)/(O(k) \times O(n-k))$ of dimension $k(n-k)$.	s(k,n)
	2. Kervaire (1961) found a topological manifold that has no different structure.	tial
	3. Classification of surfaces: Topological equivalence implies different equivalence.	tial
	haha	
1	TODO Levels of classification:	
	1. Homology: Betty numbers, etc	
	2. Homotopy type	

4. Diffeomorphy: Quotient Diffeo/ Homeo is finite when dimension > 4.

- 2 TODO Riemann submersion
- 3 TODO Normal coordinates in Riemannian behaves nicely
- 4 TODO Curvature

Emacs 25.2.1 (Org mode 9.0.5)