Differential Topology

6th Problem Set
Due Azar 15th, 1397

- Problems 4, 6, 13, 18, 20 and 25 pages 103-107 from [GP].

- Show that for every smooth manifold X, the tangent bundle TX is orientable, even if X is not orientable.

- Problem 1, 9 and 10 pages 116-117 from [GP].

REFERENCES

[GP]   Guillemin, V., Pollack, A., *Differential Topology*, Prentice Hall.