Differential Topology

7th Problem Set
Due Azar 22th, 1397

- Problems 11, 17 and 20 pages 117-119 from [GP].

- Problems 8, 9, 10 and 11 pages 130-132 from [GP].

- Problem 3, page 150 from [GP].

- Let X be a compact, connected, oriented manifold. Prove that X admits a diffeomorphism without periodic point if and only if $\chi(X) = 0$.

References

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

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