

HW 1: Learning Theory II (580.692)

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Due 09/21/06 beginning of the class

1. Read appendix A of "Ma, Soatto, Košecá and Sastry, *An invitation to 3-D Vision*, Springer Verlag".
2. Prove that $SO(3)$ satisfies all 4 axioms in the definition of a group.
3. Fact A.23, properties 1, 2, 3, 5 and 6.
4. Fact A.28.
5. Fact A.30.
6. Propositions A.40 and A.43.