Math 500, Homework 3

General Product Topology

Due at start of class, Thursday, 10/6

Reading  Read §19 of Munkres.

Exercises (to do on your own)

1. Prove that if $\{X_\alpha\}_{\alpha \in J}$ is a collection of Hausdorff spaces, then $\prod_{\alpha \in J} X_\alpha$ is Hausdorff in both the product and box topologies.

Problems (to turn in)
