

Exercises

E10.153 [OX8] Prerequisites: [OX0], [O9T]. Suppose that I is a group; then X is a group (it is the Cartesian product of groups); and multiplication is carried out "component by component". Show that the product in X is a continuous operation, and so for the inversion map. So (X, d) is a *topological group*.

Solution 1. [OX9]

[[OXB]]