order topology

(side note) A simply ordered set M is a set such that if any two of, its elements are given it is known which one precedes.

Det (pass of order topology).

Suy our tops. Space hus a simple order relation, and note that are element.

Let B (the be the collection of all sets of the following types:

1. All open intervals (a,b) in X.

20 All intervals of the form [ or, b)

(Where as is the minimum of X).

(where bo is the naximon of X)

Jet (rays betermined by some elevent of X)

giver an ordered topological space X, and an elevent a 6 X, there are & subsets bush on a , called rays:

(a, tob) open rays
(C-D, a) open rays
(Tol, tob)
roys (-D, a)

the order	oper	rays	forn X.	Q	sub basis	for	the
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