



.

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5:0 Fi Compactness Homsdortf

Link: quotient space Dz Uf M Scotrant Dz II M

How to distinguish spaces?

I Rome X hones Y, we only need a map for

J. Prove X # Y, hand. _ invarient property under homes

Cpt, Hansdorf, connectanting, [X]

Ret. (X, Tx), A \(X\). A is appropriate it.

Y dlation CETy if A= UU; we can find a finite FEC.St.

AS U.

Think: Any cloud. subset of a compact space is singuest.

Pn Sn are angred X = A V-K(A)

(this: (Heine-Rosel): UR", usual), ASIR" is opt if A is cheel

This: (Tydrong) (Xa) Nithare opt. spice, the (XXX, Txxx) is opt.

Hunsdardf 71 a Geration property To TI THE TO TO THE



