Galaz-Garrera: 3 den Alex spans noch. 29/08/2016 Il. Path connected met space, longth: dlner) = my b(r). Sk: 2 a dim, Snylly enriched Rein unflots.
with Sec wahre = k. Model spaces: = $\begin{cases} \mathbb{R}^2 & \text{ Endish que } k=0.\\ \mathbb{S}^2(k) & \text{ k. ro. md 2-glass.} \end{cases}$ H(k) & k. co. hyp.count of have distinct point . P. 4, 1. Triangle in (xfd) EPGT, EPVT, EgVT. SPGV. nd geodonics a How Comprison transle anist of 3 foots. P, q, r e82. 8.6. lungs (ph), (pr) and (gr) we the sum on woland (Proposed The state of the stat

let. Det empelete, docally expet length space with finite.

Hours -dom. is on Alexo space with enable had below

less k if VPGX I who Mp when prop The is

sorrefied. I mples Pry, v.

Examples: (M,9) with see 2 4. · Questient. X & Man (4), I'D Xison, wheel about, X/TE Hen (i). Some imported: · Geodesics do not brifarcate.

· Globalisation (Pmp Tn) helds youldy. · Define amples b/w greateries, Tanger dividins = goodenes langle zero (Z, &). lamplehm. If (\(\sigma_{\rho}\), \(\sigma\) is (\(\sigma_{\rho}\), \(\sigma\) is the direction of X art p Red aylehus ". The (Burago, Gromon, Pendrom) Ne Alexa (h) >> SpX & Hospira (a). Vp & X hear with their is plant homeomorphic to the cone. The (Cinical who has) C(F). Supplet goal: classify Alex graces who are \$1. Fact: 1 - and 2-dim. & homeomorphic to dog. infell

(Ž

 $\times ' \cong S'$ x2 2 Sinface, mr >1 => |T, (x) | L00. => XES2 m PPP2. DN= & and compair. DN can be defined for these Question: What are the closed 3-D there spaces with curves. Top: x3 closed and is not a 3-whd. => . I PEX3 with Ep= RP2. · By compactness, only finitely nampy P's, isolated pts. " X3 = X0U UE C(RP2). non-crientels upd in bely. I copies of RP2. " It's orientable and on an inevation severiting involution i: Y > Y. s.t. X= Y/i. The A W/ Tryano 2014, 14-5) Susp(RP2) My non-nifed Meso space nh in 21. = Susp (Rp2). mn cm 20. Collestian of 3D-cland Alexo. 6 non cox (0,3). The A hue wh. cos(e,3) and

(3)