

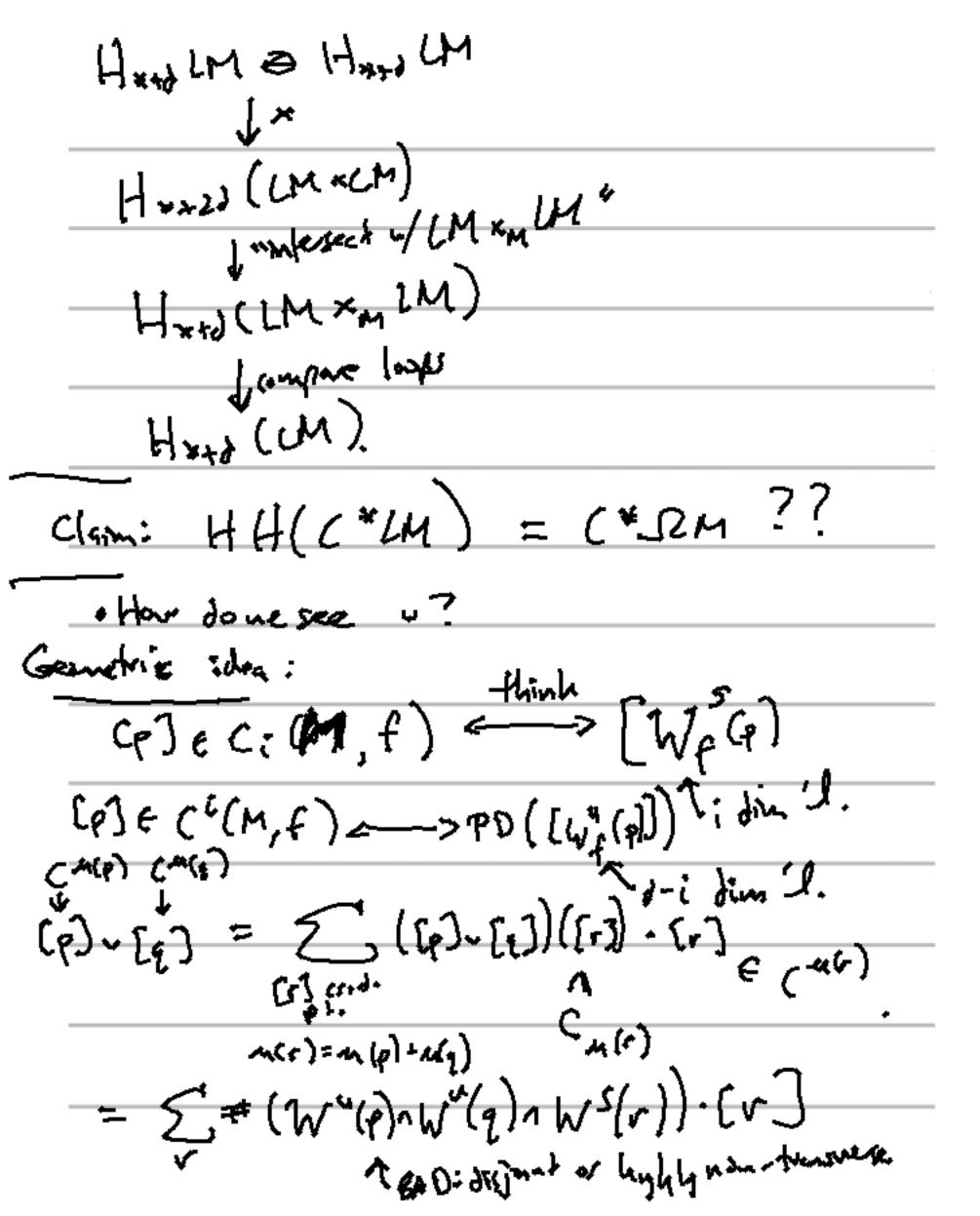
Old (Assylve) : Pondyagin Product X sounted speces (x, = x2)(t) = { x2 (2(-1) t= } Observations. (sek .c.) x: [0, r] -ΩX - S"X = E(r, x) e R 20 " ΩX: of r=0, 8 is constati -2" X TH 2"X m z (X1182) = p(((X) = ((X2)) m2 (m2 (x1, x2) x3)= p(ip(i(x1)oi(x2)) =i x5) P(i(8,) = i(82) = (13) me (x1, me (x2, x3)) = b(:(x1)0;1)(:(x3)0;(x3))) all tomoro comment or mention or many cops ,

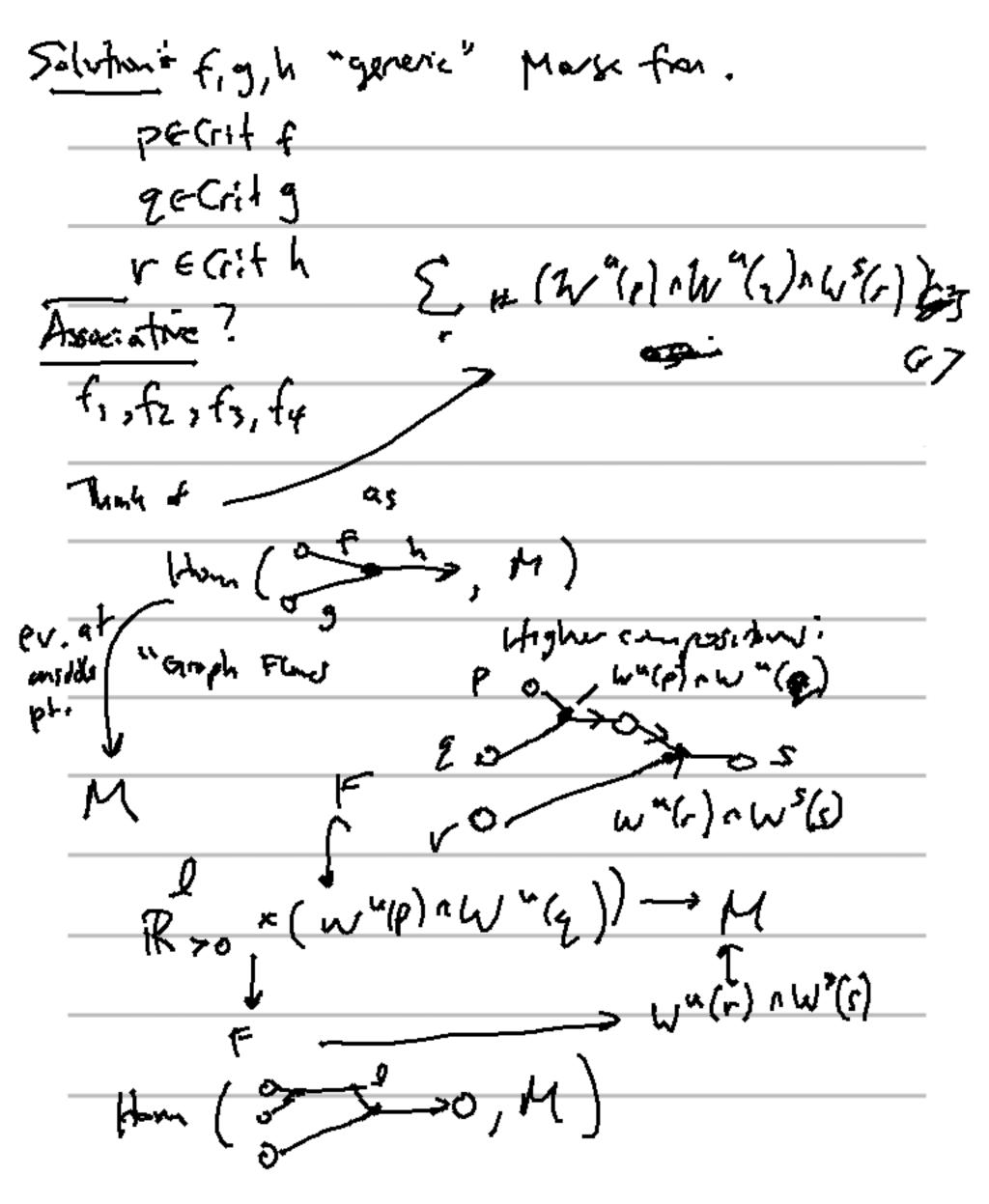
metrous trees) u/ lengths in [0,00] give multiplications on SZX Interest a cubical subdivible of Kn 1 & P(Hf((x,)=(xs)) + ; xs) · Easy do and the ferster stret stretoes · Thun (Pacingation processe): Y has herey y type of a lusy space I has the histogrape of a top. monoid on/ 750 group. Y has an Ass -space structure of 100 a group Left: "B" for A oo & D B Y = F Newer: Loop godich (string) Newer: Loop product (string).

52 M - LM

(such: Leve fiber diagram.

Serve 52:
17 (M; H. SZM)
<i>7</i> '
Amaly. H + + d (LM)
Am 5(9 7
what about Cx +2 (CM)?
would be rike to have
H=== H=== H===========================
SEM> HANGH> HADM.
coloned M. "integet a cycle m/SCM"
emb. LM×mLM ->CM×LM
M-3-M2





Mpg: = modulingeograf "metric graphs"
Mpg: = modulinger of "metric graphs" (polyonente) refree graphs - (polyonente)
at smoth furtive on each edge -
stogan: Funity of Funity of TE Mpiq mos orbadisms from p ph. to g ph. cycle, Cycle, C(X) OP -t (XX) OZ.
cycle, $\zeta(x)$ — (x) Tolord ordpoints, then you can get these maps to either It a or an generic chairs
2) Open endpoints = get O ((X, fi) -> & (X, fi) Moning

Charge of Herre-bur. closes aspir. (fig) golesii. 0 f 5 20 (En action, st To get hagger things - pearting), mare freedom