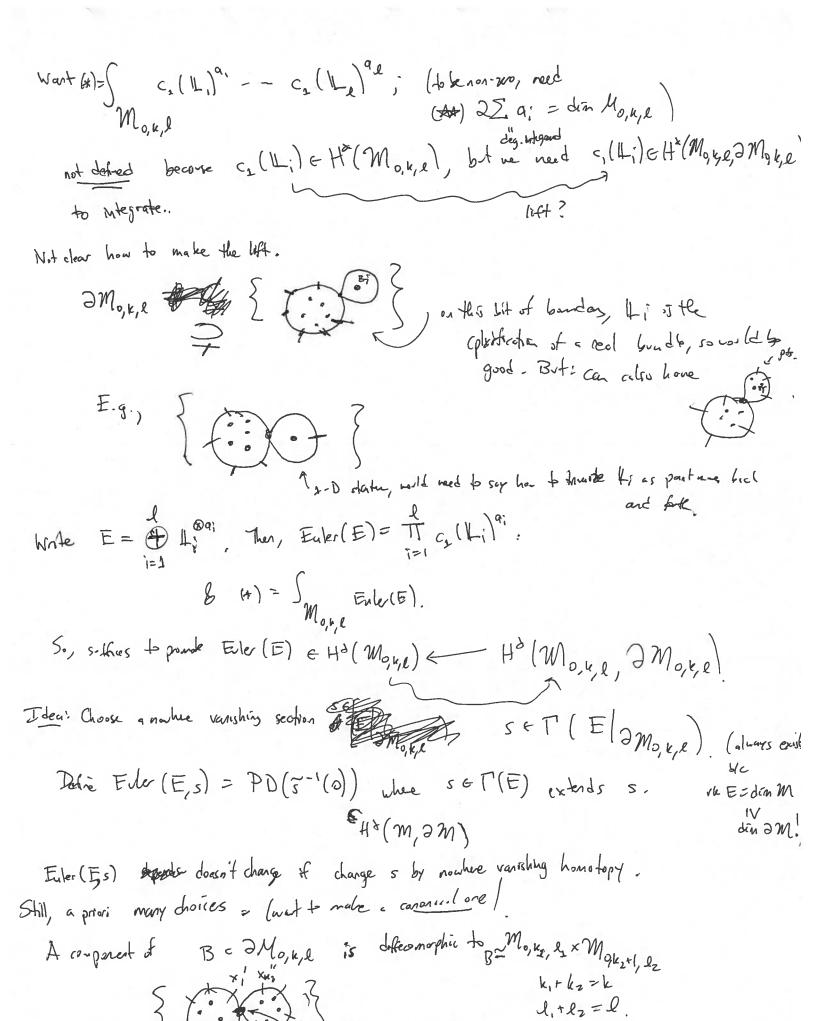
J. Solomon, Open descendent integrals
· Motoration is. & tract socce = ot.
ogenus O "Y integrals" "ODI"
Motourhans o'14: Pandhanparte-S Tessler Analog of Witheris conjectues for open descendent Entegrals (open KdV hierarchier, open Vivasoro)
-construct in genus O, proof of co-j. in genus O.
· S-Tessler (in progress) constrict higher genes ODI.
· Tessler 15: analog of Kontsandi's combinational model for ODI.
· Fesser Burgal-Tesser 15; combinatorial model =) open wither conjectures.
· Zernik 17: - compute structure coefficients of Fulraya Aso algebra of RP2n = CIPEn.
- Welschingers real enumeration involves the section of the sectio
? higher genus Fukaya category Jopen GW invts
· Giterman-S. (in progress): Deform Fukaya category using descendant classes
no descendant Open GW invts TRR
? Virasoro constaints (for target 7 pt.)
Genus zero: Have $M_{0,k,l} = \text{stable disks } v/k$ bounday maded pts, and linterior maked points
apot. smooth typical element: duris Mo, kyl =
1 - Mo, k, a tautological line hundle dein PSLz (R) =
Rober of Lie a spherication, cill is tokion, so cat get Q numbers. This is they we don't consider the over bd. maked pts. xi, -xu) (this logis-lines)
(Rouble of His a ephotication, cill) is torsion, so cat get Q numbers. This is they we don't consider the over bd. maked pts. xi, xxi)



din Mo, u, e. Observation: $2 \leq a_i = 2J + k - 3$ rank (E) > Kodd. (for such an entegral to be non-vanishing) => WLOG, K, old, Kz even. I padralar, k, and > k = +0 = can forgot node without destabilitying a component containing Zi E mo, kitl, lx Mo, 42ti, lz =) E = n = [| Somie forgothy doesn't destabilize) Toget one side of note Det: SE T(Elamake) is consonel if == Dei > Mo, k, l, x Mo, k2+1, lz Sent for each bandary component BCDMgk] ŝer(Ê) st. s= \(\hat{\pi}\)s. Thin (P-S-T): I caronical (multi)-section, unique up to nother varishing homotopy. b/c rank of E = dia Mgu, l, x Mo, uz+1, lz + 2 Euler (IL, s) Note: din Mas, 1 = 3+2.1-3=2 Mo,3,4 =-1+3=2. Mo,3,1