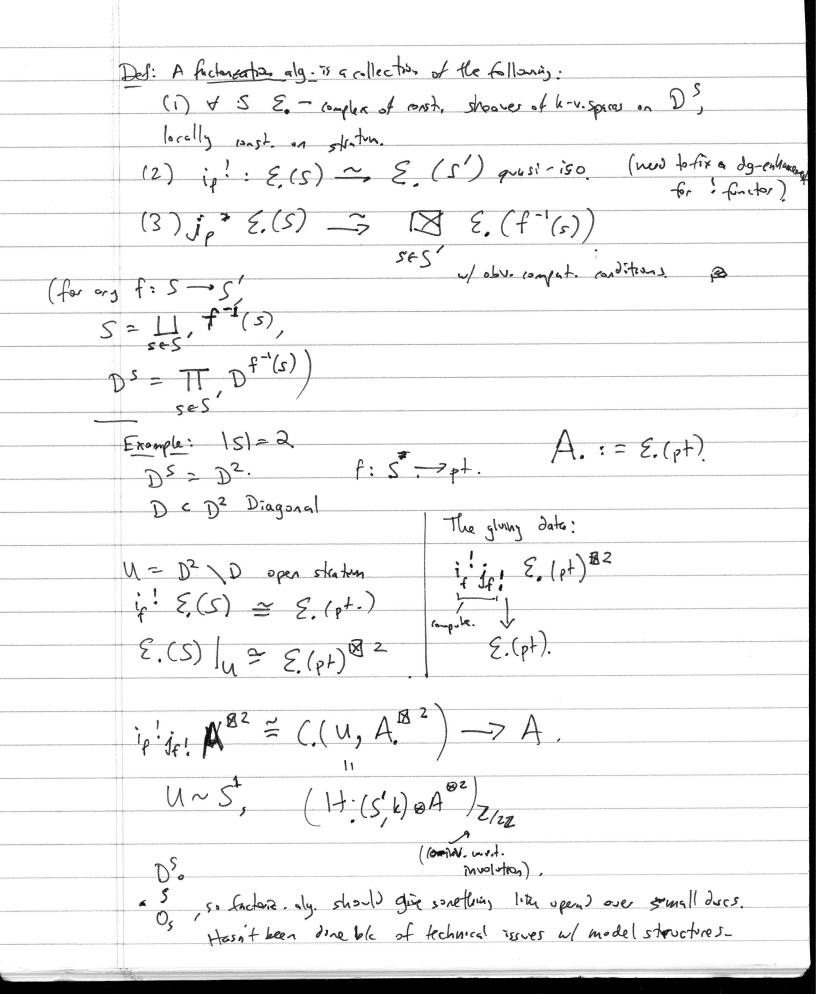
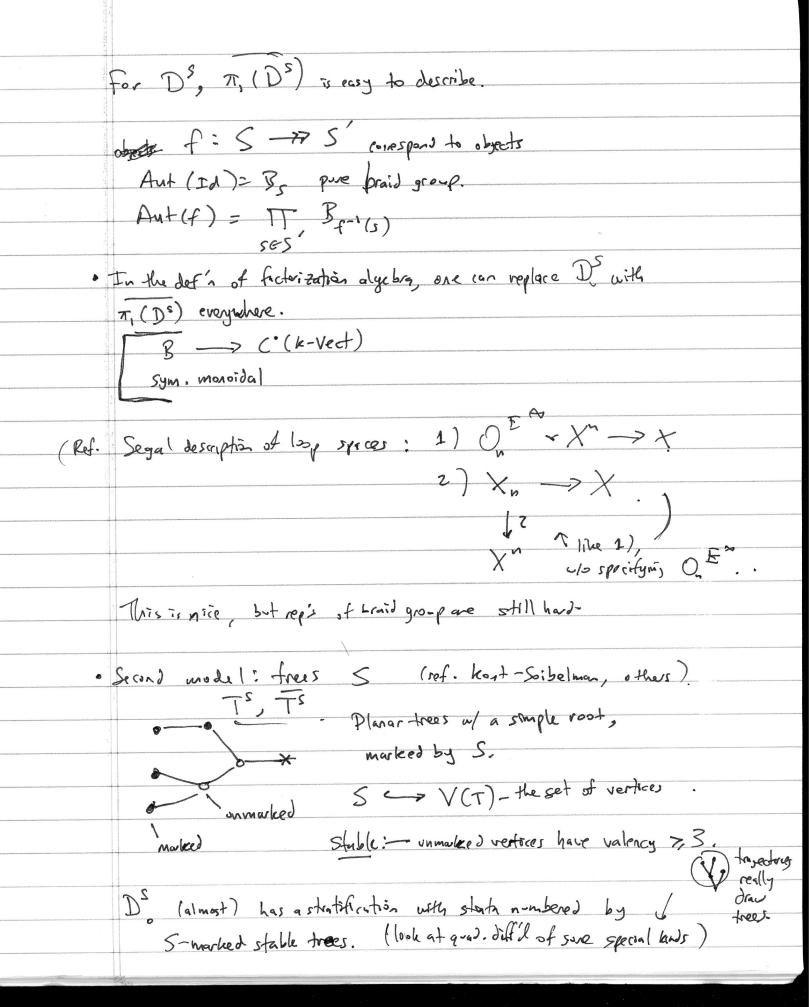
•	D. Kaledin - Hockschild 2-algebras as factorization algebras
1	HH' mulex
The second secon	Deligne conjecture: What is the natural structure on Clt. (A), A assoc. alg/k, chark=0.
	Operad of small discs:
- Contractor and Cont	D Molo n smaller direr inside
Considerable to the second sec	D n smaller dires inside. On - configuration space.
Andrew Street Street Street Street Street Street	operad of topological spaces
	H. (O K) - Gerstenhahren and
Compression of Section (Section)	H. (On, k) - Gerstenhaber operad. C. (On, k) DG operad, algebras over this operad are "2-algebras."
	Thm: (H. (A) is a 2-algebra up to quasi-isomorphism.
100000000000000000000000000000000000000	(so far, the may of down this seems contine) (m-notes). lig. (-(On, fe) is
	huge, need to pass to a 9-180 guy, that's also huge)
2	noteer way.
	Factorization algebras:
	~ 1
	D-unit disc S-fmike st.
	- 2
in and	D'S C D'S the spen subset, larger than D'S.
	f: 5-75' induces : D'S the union of is (D'S) C D'S
	ip: Ds -> Ds where 5 -> S -> S'
	T T



Conjecture: The category of factoritation algebras up to quasi-iso " is equivalent to
the category of 2-algebras up to quasi-iso.
(problems seem angly technical).
Advantages: there are nice combinational approximations of fact algo that are unimportable
u/ spend fernalism
Observation: Factorization algebras are the same as chival algebras (Beilines-Dishell)
except that
(1) Poplace constructible sheaves u/ D-modules
(2) Replace complexes of objects, and q-isos with is os.
the examples is charal algs. do it gives us examples here be D-modules are mostly
too big, not holonomic
Combinatoral models:
1. X stratifled, nicely (openstrata are K(T, 1))
1. X stratifled, nicely
D(Shy (X)) = D(Functors (71, (X), k-Vect))
some slight cheating, take D so
Def: Shatked fund. grospoid of X $\pi_{i}(X)$: X stratifled, nicely: Def: Shatked fund. grospoid of X $\pi_{i}(X)$: X stratifled, nicely: Def: Shatked fund. grospoid of X $\pi_{i}(X)$: Def: Shatked fund. grospoid of X $\pi_{i}(X)$:
objects x eX
morphisms: 8: [0,1] -> × s,t.
$\forall_{V} X_{1} \subset X, \ \chi^{-1}(X) = [a, 1] \subset [0, 1],$
stratum $0 \le q \le 1$.
1-1- once une protes a stratum can't leave it.
(take htopy classes)



	these trees are partially shered by contraction of one unmarked pt.
-	or take neve, geor, realization, thopy type is some as Do'.
	these trees don't have an opened streeture, de stratification, incompatible?
Section of the last of the las	
and a second second second	2
Batharan and Bathara	for 2 points:
The state of the s	for 2 points: 2 1 2 0 × 1 2 ×
and the same	
\$100/700/B0000	Circles
STREET, SOUTH ST	get a. Circles Ocells, 1-rells.
Appropries and a second	
CONTRACTOR AND INCOME OF THE	Instead of stable trees, we can consider all trees. They form a category T,
Section of the section of	(but informary possibilities, not a partial ordering)
Contraction of the Contraction o	Nov: 0-0-0
TO SECURE OF THE PARTY OF THE P	Nov: 0-0-0-0 11 great maps.
STATE OF STREET	Functor T->> Set.
STATES AND ADDRESS OF	T the category of pairs (tree T, v = V(T))
A COLUMN TO SERVICE SE	$\int_{-\infty}^{\infty} \frac{1}{T} = \int_{-\infty}^{\infty} \frac{1}{T} \times_{\tau} - \frac{1}{T} \times_{\tau} - \frac{1}{T} \times_{\tau} \frac{1}{T} \times_{\tau} - \frac{1}{T} \times_{\tau} \frac{1}$
The same of the sa	V I - XT XT Voing
Manage Manage 18	tines
The Part of the Pa	
	(T contractible, T contractible, TX constructible), but T' = T')
	So, in some way, T like a disc. should be some gen-principle explaining this.
	explaining this.
	Q: Can one see more here, e.g. chivalalge instead . f fact - algs. ?
-	