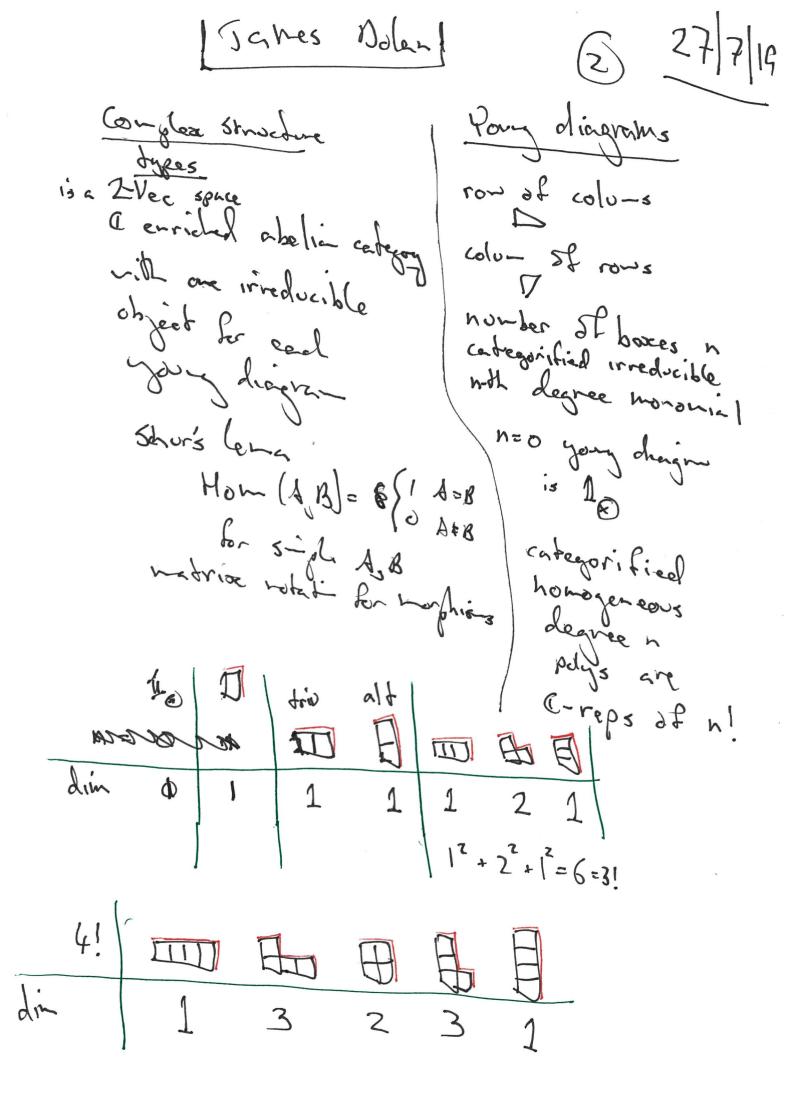
James Molon 1 0 27/7/18

Struct Types: Young diagrams andegorified polynomial Reprof Sn construction that takes an object x and Structure dypes Constructs a new der de base category object F(x) using Box Doctric of colinits change Doctric: colinits with is preshould spectric tensor

Syntactic adequay Poshout of theories

Midial

Midial compler vector spaces Set -> Strock Types Thathing -> Tobject x Struct Types
Schur
Functurs introduce Syoung diagrams
Complex here
Structure
on 11. Notice: no Emiteress condition Degree n Structure types are set valued reps



1 James Molan, 3 27/7/19
remove the bumps to get a recursive formula:
dim (FI)
dim(III)+di-(III)
A young diagram also gives and promobile
eg. He rows partition: H: 1+1+2
ose categorified Gran Schnielt) to find the C-rep
eg. He rows pardidin n:
H:3+1 tensor: A@ A w All m) All ble sough x of structure types.

Jakes Ben 3 27/7/19

(SU(2) is an affini algebraic groups a comm blog falgebra, so Vannaka Krein sives modules -in G- know preduct.)

action of the free Commutative monoid

modules of a symptotic algebra

Adding further beliefs:

add isonophism:

B = 1 exterior 5quare

Tobject X with B(x) = 1

stage 1 add arrow

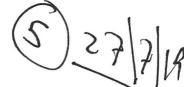
E - 51 Stage 2 make it invertible

Believers:

Hom (B, B) + Hom (1, B)

the mond is and self-commotertive

James Adle



i) theory of nothing Syn (ad = Set

2) morphisi

m:5-31

believers:

how (1,18) - 3 how (5,18)

What are the algebras of this world?

Corrying

B-3B⁵

B-5-3B

5-3B⁸

to get a commonad need all 5 operations to commute .. each other

the actions of the free com moroid on 5