## - Fused Reposition Modeling (FDM): my chard - pros: easy con: layers are visible, limited material types

· Steveolythogophy (SLA); it's a vesic pointer. A laxer solidation
- ho support the photopolymer residence
- pro: - On archieur con: only photopolymen con he
high resolution used

Distribil light projector (DLP): replace laser (SLA) with projector.

pro:-faster that SLA cons: some as SLA

-high resolution
(depending on the projector)

-to support

Selective losser sinterity (SLS): Actually similar to SLA

Direct metal boxu sinterity (DMC) you put material (plastic metal,

pro:-hospital coust each layor (evaluar) and melt it with

-compared is made at an high power laser = trace one

metall the same layer. Then all other material

Planter-based Priting (PP): Jikibu to SLA but vors

pros: he support

Cow: use only planter

- color print!

Photopolymu phase charge in Kjets: you have a printhed which pros. Support multi-material! ejects liquid photopolymu it's could by UV it's could by UV it's could be uver it

Thomas phase change interest: you have a quint head which post: - high resolution ejects liquid plantic and - support easy to remove support material which solilities cans: - slow punt speed by cooling down - limited materials

Dros: chap (low material cost)

- color are be added using additional a loser cuts through it

cons: bur unalling

3D Printing Software (St) file
"triabyle soup" Plahhing Support Standard desigh Coh offect both Printih, time all ovality! 3/50 Mccchaich propertie)

Mohad (Ver) Sehi-manual

(live feelback)

## Support structure computation

· Simple consultive algorithm: cost a my and by country interestings before inside and outside. Put support outside (any outside interval before the bost inside)

Slicing

-is used to greende printing byen. For a distrete 2 value

compale intersection with model

underlitting analytism arrayse

you get the same

discretization problem

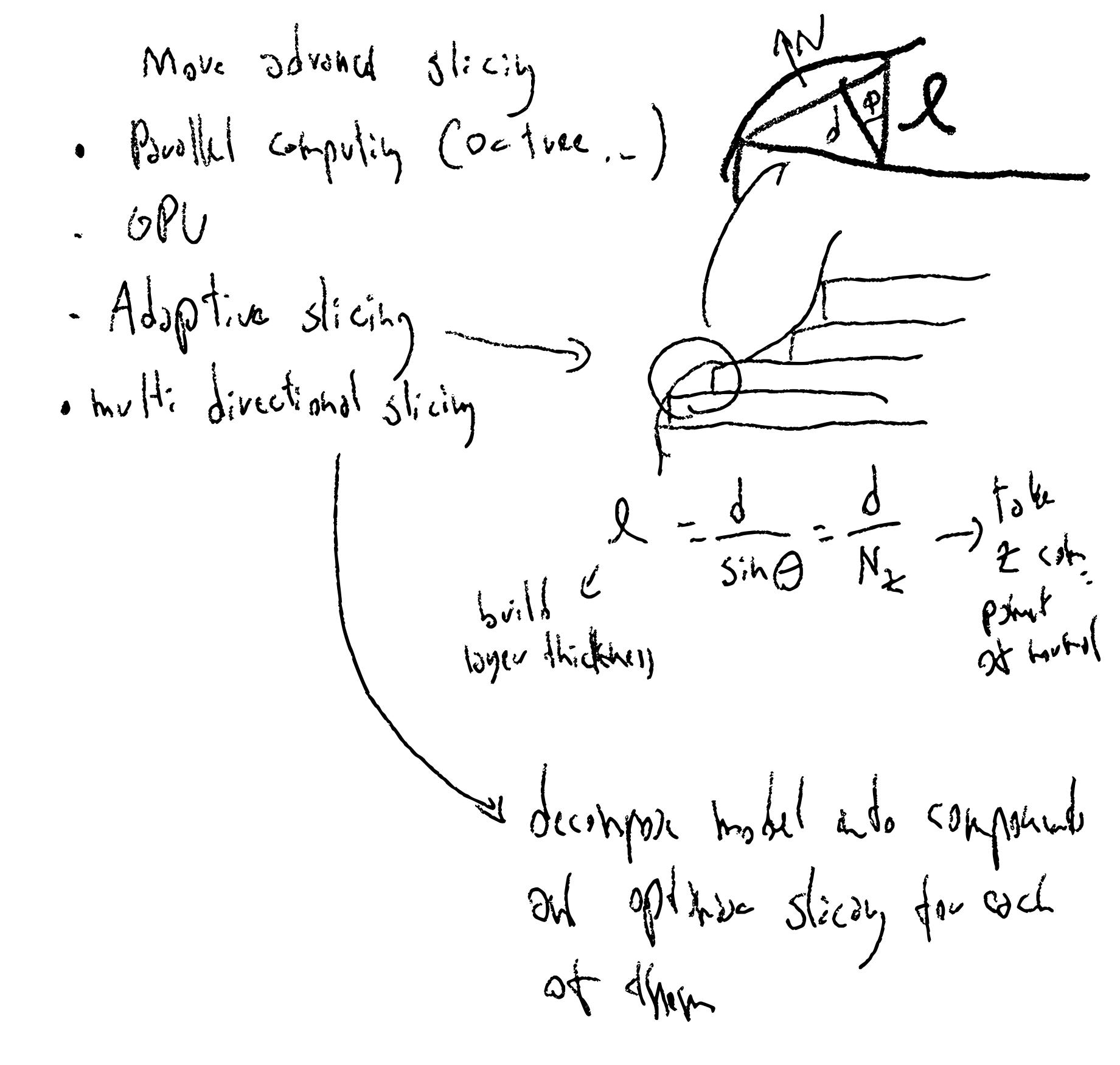
of intervals

How to stre? (Noive)

- Consider h 2-plans

Interved each tridy le with plane Store intersection seyment

sometall of them for much a plan, we get contous



Trivial it layer is punted it ohe step (DLP). Employ a juid onthe contain of the object - scompile interschiers interests ( ) the you whe a till pattion. , 5 torware All this is the converted into code varioble by the modifie Fro FDD G-code For DLP dyr C PNG (vorter tile ilmbit) tor hilly

hachara ( ) describin, Elek light

Questions:
) Everything: from the 2 hours of support required to
) Everything: from the 2 hours of support required to the mechanical properties of the object old point
t'me
) Optible for support baterial
Where the sympat is somether. The object the
quality is lower
) Ray tracing
By spaining it or with low volume support pathon
) TODO
Noine Slicin: -h 2 plane -internet with all Ivagles
- John so, mod into contains

8) Probably hot touch the about with probables?