Nomes!

- triangular mestes

- triangle mushes

- triangulated irregular retworks (TINS)

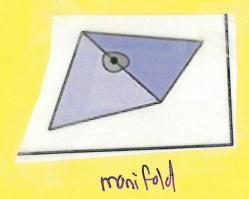
mestes are (discrete reps) of continuous sufaces

=> make more efficient alas and Dala

structs)

mesh topology: how As are connected together
w/o vertex positions

monifold! the neighborhood around any point can be "smoothed out" to a flat Surface



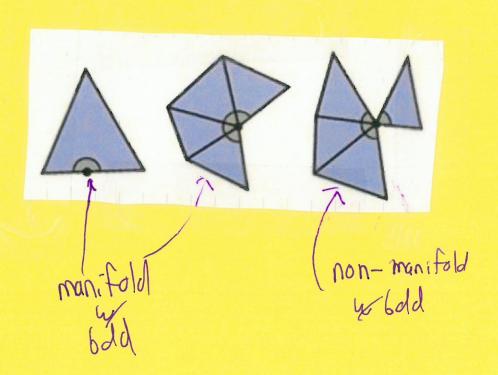
non-manifold

Nuly Mestes Fel 25 Warms ! - Finger of nestrict -Sausal Medical - triamulated inegalor relaxores (TENS) mester are this term of continues soft is a proper more effect and out the mesh beginsy; how its aim connected to other us orter protons thing you have but similar with a section tilt val the Enterne's so-nec (12 minister) historn-pon Wof morn

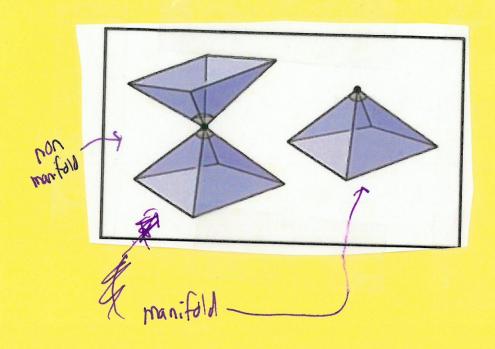
manifold by boundary

1) every edgue used by lor 2 As

2) every vert connects to single edg connecte
set of As



probable y stellinem of some edge was of lot 2 De shorted the shirts of shorted to the 21 Fe +se Sational - 1 M Wolmon. the last



Check if object is a manifold!

1) check if every edge is shared by 2 Ds
2) check if every vertex

1 loop of Ds around it

Halman of the Hardon Fr Hall 1) chestiff eury ede is should by 2 de 2) chole it early notice I have ste see the

Orientation: distinguish between
inside/outside or front/bach
- defined by order of verts
- front side is D w verts ordered CCW

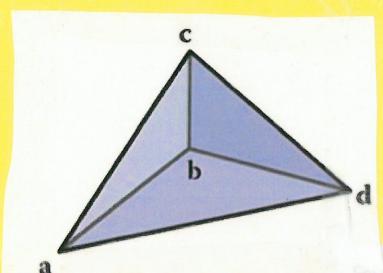
t = 9a c 63

t = 9a c 63

Consistently inconsistent oriented:

all as aggree on the side that is front e.g. every adj a has some orientation

Orientation: distanguish between inside outs de or front/back etion for who we hards. front file is a sy weeks side that bension mail to the distiller was made at the suttention man with a set to the time of se



arate triangles:

#	Vertex 0	Vertex 1	Vertex 2
0	(a_x, a_y, a_z)	(b_x, b_y, b_z)	(c_x, c_y, c_z)
1	(b_x, b_y, b_z)	(d_x, d_y, d_z)	(c_x, c_y, c_z)
2	(a_x, a_y, a_z)	(d_x, d_y, d_z)	(b_x, b_y, b_z)

Alt:

Triangle & Uertex8 v [3]

Induted Mesh & int + Ind[nt][3] vector3 verts[nu]

Vertex? positions

Shared vertices:

Triangles		Vertices	
#	Vertices	#	Position
0	(0, 1, 2)	0	(a_x, a_y, a_z)
1	(1, 3, 2)	1	(a_x, a_y, a_z) (b_x, b_y, b_z)
2	(0, 3, 1)	2	(c_x, c_y, c_z)
		3	(d_x, d_y, d_z)

I stonoit CE JENGY AND courties fronts Existently 17

[supern & down Which rep uses less spaces

nt # of triangles

nu # of verts

A list: 3 verts per D

3 floats per vert

9 nt: total space

Indexed mesh'.

1 vec 3 per vertex 3 nv
3 floats per vec 3 +
3 ints per D J 3 nt

each D has 3 verts

each vertex is connected to NGDs (on arrage)

=) nf 22nu

to compare. 18 nu. 9 nu

Which He was less spress No. # of triangles 26m 70 + 17 A DA HOW & HAILA 3 flools per vert in to half space sulfe loto! They but I TO DIES PRE DEFEN ME 3 feets per vecs SAE 3 into per c each in has 3 weeks There we the second of belowing the contract of the e neclas on 81 House 1. · lader rest: This