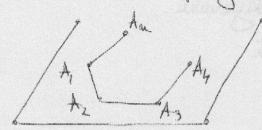
## Fatal spatele unui poligou convex

regal nounce la blance mini begion consex

Fie A1, A2, ... , An im poligon convex



Ecualija planului: Ax+By+Gx+S=0 unde A,B,c,S pot fi obtinuiti din dizvoltarea determinantului:

Laine Muit, de fopt, coeficiente A, B, C? Se fopt: (A, B, C) - A, A, X A, A3

A Orice on alege trei puede consecutive, vedora obtinuti mai

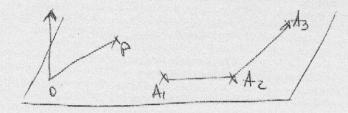
Vectoral  $\alpha = \frac{1}{\sqrt{A^2 + B^2 + c^2}}$  (A,B,C) su riomida la plani

Este independent de abgeren a 3 puncte consecutive Notaru  $TT(P) = TT(x, y, x) = \frac{1}{\sqrt{A^2 + B^2 + c^2}}$  (Ax + By + C2+D)

Sef. P=(x,y,x) x aflà in fato poligonalui (=> Tr(P)>0 P= \_ patrie (=> T(P) <0

Se serunificable one accesto defenite?

Traus Catains total Da O



P De fata poliganilii (=>Ax+By+Cx>0 esperdus radar <n,000> = (x,y,2)

bonduzie: vectoral normal inducă fato poligonalia

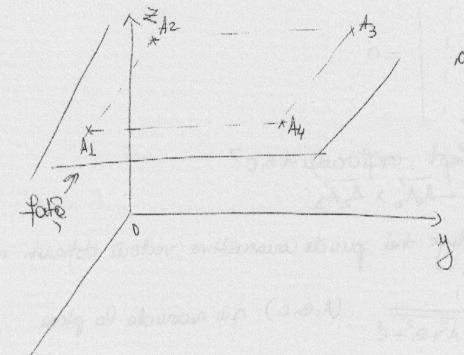
1 Ordinua puntelor este Jundamentalor

Exemple: A= (100,-100,100)

A2 = (-100,-100,100)

A3 = (100,100,100)

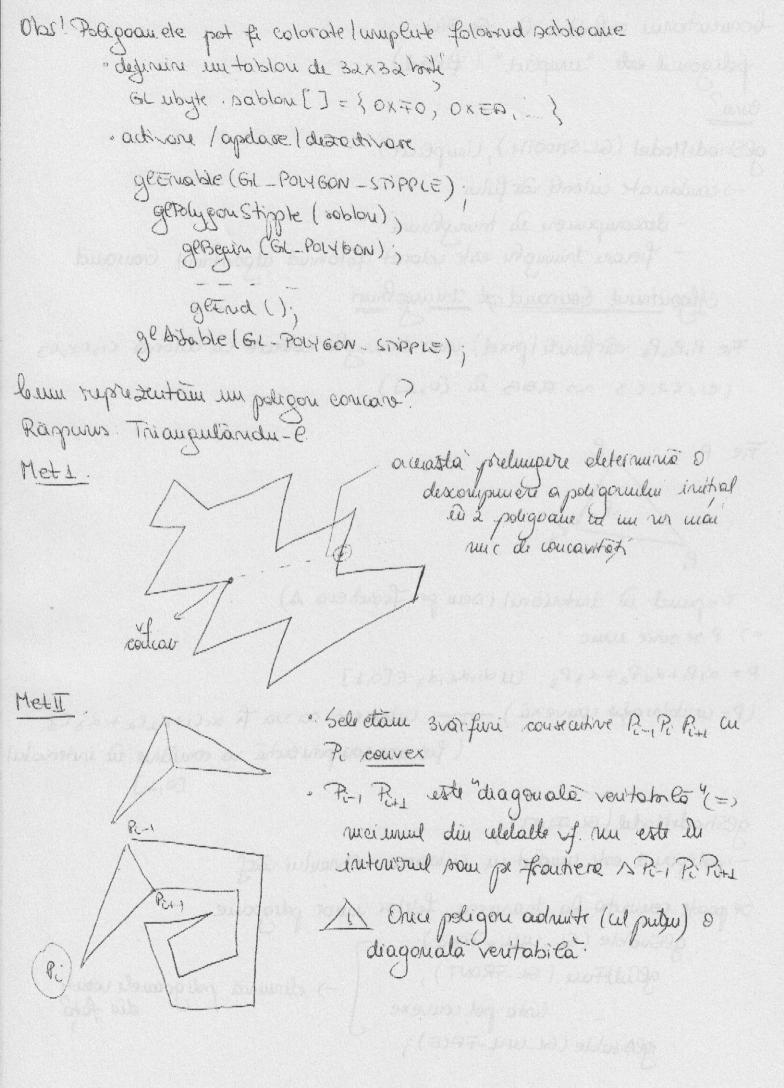
A4 = (100,100,100)



au repula trinibulus

Vereficat ca explanului det de A, Az, Az este 0x+0j\_400002 + . = =0 =>
=> foto poligoralisi e indicata de (0,0,-1) (22 yes)

abjunt que une, (quartre foto)



Conventories referitor la GL-FILL: poligonul este "emplut" (filled) glshodeModel (GLSMOOTH), (inuplicit) -) comprise colone soctulis - descompunere de triumphiumi - frecon triumphi este coloret folorind alportinual Gourand Algorithmul Gourand of thing Brus Fie PiPeiP3 varfunile (prixel) unui triumphi colorate cu ailonde ci, c2, c3 (c1, c2, c3 ~ 800 m (0,1]) (A prepunct in interioral (see pr Frankera A) =) Porpose envic Changaids Ecol7 b = x161+x783+x363 (P= campinação couvexã) ---> culoarea sa va fi dicitaza+ do cos (frecare combanenté voi comque en intervalu) gestade Model (GL FLAT); - begildang eye milyay on onjoured nopunifu, cost Se poale remnite la trasarea fetelor unos pargoane glenable (GL\_ULL\_FACE); geaulface (GL-FRONT); -> elinunia poligoanele voorte - propo beg consexe gesisable (GLULL FACE);