Beldi Sarius Vlad

Onice - Tabel, domumira, invariation,

Det: Comicile nunt figures (curité) plane. Pentitu a introduer acute figures considéraire un plant respontant la un terper contessian prein core planul au identifica en IR<sup>2</sup>. Modiful R<sup>2</sup>. Modiful R<sup>2</sup>. Modiful R<sup>2</sup> permite descrierre figureilon au ajuterent constillor ni inecuatiilon acestor fermatii.

Fie forenue patratica estima (polimons de gradul Leu mecumosculde X ni y): F: 12 > 12

f(x, 7)= 911 x2+ 2912×y+ a22y2+2910x+ 2020y+912+922+0

Multimea  $T = \frac{3}{3} M(x_17) | (x_17) \in \mathbb{R}^2$ ,  $f(x_17) = 0$  de numerous Comica son cumba algebraice de ordinal al doilea. Atasana unuatorale munuera polimomulai.

f(x,y):  $a_{12} a_{22} a_{20}$   $a_{10} a_{20} a_{20}$ 

 $J = \begin{bmatrix} a_{11} \\ a_{21} \\ a_{22} \end{bmatrix}$ 

1/3

Este advateat ca b, I, I mi posterajo valorera la ochimborera repetului. Le aceea b, I, I ar munurere invariatio metrica ai comiaci. K este invariant door la reolatio si ar munurestr anni - invariant nueltric al concei.

## Clarificare comice: My of history was assessment many

21,000	Sh. 9.00	Solt of O	Lower		Habitania in Maria
7	Δ	4.T.	ST Karali	Comica	gen)
>0	+0	< 0		ecli psa	eliptic
	+0	>0		comica vida	
	= 0		2001) 14	punt (dublu)	
<0	#0			hiperibola	hiperrbolic
	=0	$\sqrt{2L_{\rm con}}$	The Only	parcicle de dhepre	
anda in f	+0	20100		parabola	
AND JAKE	J)	A le Tue	< o	patriche de drepte	pocabolic
=0	= 0		= 0	-u- Confundate	Tune arry
			70	Comica vida	71/08/ 27/12/01/

Concluda

- · Invariantel of mu da genul conice
- o D me da oligemeria (D + 0 =) comica medigemeriate

  δ = 0 → comica generiata)
- · I <0 => I=0 >> hipercholó echilaterrale (animptotele
  nunt perspendicularre), iari im casul degenerat la
  0 perceche de drepte L

beneme ni ecunti:

"elipsa" 
$$\frac{x^2}{a^2} + \frac{7^2}{b^2} = 1$$

• hiperibda 
$$\frac{x^2}{a^2} - \frac{y^2}{b^2} = 1$$

drepte correction tembe 
$$\frac{\chi^2}{a^2} - \frac{\gamma^2}{b^2} = 0$$

$$\frac{\chi^2}{a^2} - \frac{\gamma^2}{b^2} > 0$$

of multime vide 
$$\frac{x^2}{a^2} + \frac{y^2}{6^2} + 1 = 0$$

$$x^2 + a^2 = 0$$