-			
_			
-0			
799			
9	1	Matrix	
-		Det-Array of numbers arranged in vows and cols	-
0		ex-A= 134 long marrial of males and of males and on	
-		Litaria social de 1912 de 1912 de 1912	
2000	2	Determinant	
-	00	Vet-scalar value determined from square matrix	
-		ex-det(A)=(1)(4)-(2)(3)=-2	-
-0			
4	>	Vertarian source a 12 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
	3	Vectorion surge a dim boroscen and 2-150	
9		Def-Ordered 1ist of mumbers that represents	
9		a point in space direction	
9		ex-Ex- Fer A= 12 eigenvalues can be a 12 = 10-x9	
50	, ,	by solving det (A-LI) where I is the identity	
50	4	1 linear transformation XM	
		Pet-Function between vector spaces that preserves	
50		vector addition and scalar multiplication	191
9		ex-A= 34 is a linear transformation on a	
9		vector V=1 x1 by: Av=1341 x1=1x+2x	
9		someth Curves. I don't remember learning	
9	5	Tot Product algebra. Dod spin sin i zin	
9		tef-An operation that returns a scalar from	
9		two vectors. If A= ai and b= bi , then dof product is A·B= a, b, ta, b, ta, b,	
9		ex- if a= and b= then:	
9		a.b=1(4)+2(5)+3(6)=4+10+18=32	
9			
9			
0			
0	0		
S.			
115			

- 6 Cross Product

 Pet-an Operation that returns a vector that is

 perpendicular to two 3-deimensional vectors.

 ex-For $a = \begin{vmatrix} a_1 \\ a_3 \end{vmatrix}$ and $b = \begin{vmatrix} b_2 \\ b_3 \end{vmatrix}$, the cross product is $axb = \begin{vmatrix} a_2b_3 a_3b_4 \\ a_3b_1 a_1b_3 \\ a_1b_2 a_2b_1 \end{vmatrix}$
- 7 Eigenvalue

 Pet-Scalars associated with a square matrix

 that when multiplied by an eigenvector, Produces

 a scaled version of the original vector

 ex-For A=[4] | eigenvalues can be computed

 by solving det(A-\lambda I) where I is the identity

 matrix
- 8 Bezier Curve

 Def-Para metric curve that is commonly used
 in computer graphics. It helps in modeling

 Smooth Curves. Idon't remember learning

 this in linear algebra.

 ex-A Bezier Curve with points Po, P, Pais

 B(T)=(I-T)^2Po+2(I-T)TP+T^2Pa