## ANNO/1/10E

> TO OFFICE HP ON WON

> CAPY PARADE DATE

the RESTIAPY

N; Wi

**NECLOUS** ROW

VECTOR SPACE

A" ;

"WATTRX"

METRIC

CONVERTS N'-> V; = 9643

MOTRIC

PROPERTY: SU=Sii

INVERSE (5") ... What in hices?

(07)13 NECTORS—SVECTORS

convention: 513 = (3') 1"

nenella. Siz = gri in encridentative

RELEANTLY: Sm = ('-'-,) (mmlosulsta')

CK ever move pittlebent -) expended what married in a BH.

MULTIUNEAR MAPS: TIME.

takes in soone H of vec ? Row VEC, Spits out a H and is Imear

f(x,w,..., 2, E,...) = 1. f(..., xx,...) = 2f(..., x,...) f(~, x+4, ~) = f(~, x, ~) + f(~, 4~) EASIS. almost like a set of oraclimates C POR 12: WMENTS SELHOLOGUNAL I and normalized to unit length 1 en, en, ... 3 thousmany? = dimension of HOUR VECTOR SPACE METRIC gives a did product - projection of unit worm rectors G So E(1). E(1) = 813 es M P? em=(b)

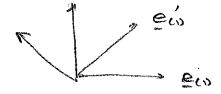
No motation: underime 
Perm=(b)

Perm=(b) CID IS IMPER VECTOR: UNDAR DOMB. A BASIS VECTORS V = V'en + V'en + ... ( 12) 12 what we usially call we see COEFFICIENTS WIRT 2 12 AL A "FUT WE MAY WRITE THE SAME VECTOR V = V'1 = 100 + V'2 = 100 + --( v'2) ~ bots silly to write

( v'2) ~ (V'2) - (V'2)

when vi \*vi

rote: En. ein + Si



CHANGE of BYRLZ IN COUL DELAIT IS CYRE

T = V'ea

) change order for convenience

= en vi

= ( = (K) (R-)/(R'; V')

= |e'm v'i

PÉGS = (PCGS) R-13K; | PASSIVE N' = R' 5 V) ACTIVE

[ eg in 122 chasian

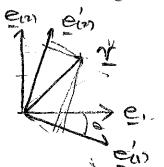
Det NI EUD

Ein. E(1) = E(10) Ein (12-1)k;

Bri

= IR-1); en companents of (8-1)

eg:



at 2 in boundaries;

e, - en co en - so en

en = 50 en + 60 en

$$N = \begin{pmatrix} N_5 \\ N_5 \end{pmatrix} = N_1 \begin{pmatrix} -20 \\ -20 \end{pmatrix} + N_1 \begin{pmatrix} -20 \\ -20 \end{pmatrix}$$

$$= N_1 \begin{pmatrix} -20 \\ -20 \end{pmatrix} + N_1 \begin{pmatrix} -20 \\ -20 \end{pmatrix}$$

$$|V_{s}| = -80 L_{s} + 60 L_{s} + 60 L_{s}$$

$$|V_{s}| = -80 L_{s} + 60 L_{s}$$

## INCIPENATIVE

EASIET : ACTUVES TRANSF

"same" e)



0	ronstandtons Achterracum B Ace Rotacum	and at that	an one
	C Borneteies	s (from a pi	TERRENCT PERSPECTIVE
in special r	iciativity: Loi	semis transi	ZUONFAMSTE
WIRT A	al the innots izab lavis		
	in of her of		
Cale	se how Know do	ionsfew w	Gevernt /
e as v	- Index h	auned to	in perents
CORPSIE	es "Vecal nes	is" eg lv'	> = V1(1) +
RAGIS BR	•		
(5)	2 UPDER INDE	X 56-	< 5\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
pecall: Poli	NECLOSS (ENT)	years	
8= P	ink of four ba		<i>(1)</i>
e!	} ← e(1) =	e" (eu)=	(ili) { i's

up: DABALLAY: G(i) = 8i G(i) = 8i G(i) = 8i G(i) = 8i

SZZIGTAM TOWN THEM