Cross-correlation and Autounclute. Definition: -> Let runs and years be the green two Agnals. Rossen: to find their degree it dose or ess. [Surely Gran, Jun,] Cross - correlation, [nun, Jun,] Junder Swed Delay your with Aubo correlation 2. 13 run-us day eterneut Fenle) = 5 xin1

un

MAA Theyman Autormelan guen "
20 brit under signal
"molhim (underhun) Theoretical france ATA A Gross-bonduli vs. Complution Chily? (Try (Li) = I xum. yum-11 - () = xum. xhm; = \frac{tw}{2} xum. hum. - 0)

(Try (1) = x(1) * y(-1) => We can compuse] awar-vanelului Girclen vonig a certifuch program 12. convolum w xell with flipped vern. 2 y(L). Tren(e) = x12) * x1-4 Commutative toursely or sometime
= x(A) * x4M 525-4 = 2(+4) * X(A). Et to

L=-l we don't e "cot to

when my wife. What is apprentice? There is an Junear 1-2 -2 +2 -3 -2

Regione at LTI Tohur in temo at Gross-Indula a Auto conolute. nen - > Juni I outner win //p. find cross-undur. Jens = un, * hen, :. Txy (1) = XIM # YL-M Tyx (4) = year * xe-4 > y (4 = x 14) * h(4) = tin/n=e Jyx(1) = [x14 * hle] * xe-M Vorig Associatie men Tyx(4) = [xex) x x1-15] * hles Tyn(1) = 1820 (1) * Wes. Cross-conducto bethe output Jun, and 1/2 241)
is considered at autounthur further in probleme

Tyy (M) = (Man (M) & Market Convoluer of outsinelution from it LTI System & impulse regionee. Top sero (12., l=0) is every I menne at Proof: nem = comer agreed There = 5th men ments over For log zero, l=0.

For log zero, l=0.

This log = 5 nun; nun; = 5 nun;

Henre Mured.

Fourier Kingdom Fourier Analysis Fourier trumben has ruled over signal processories and communitate. By 150 years. _ 7 and hence, it conchining to do . Signals and Systems

(B)

Study of Linear Commonwhise.

Basis Ruchin / Basis Mechan /
Representative Vectors.