10. I(4)=[1-108x dx gapicu. I cuscos: Oscarbasere. I(4)-1/4-cos4x1x-1/4-cos4x/x=Ix(4)+Ix(4) I(x)= 12, x9x9x = 2/5 IS(4) = 1 Sin4x (\*) I(4)= 524+C no up. Despuisse 4=0 7(0)=0, C=0 =1 I(d)= 1/2 d PK ((K,4)=5:44x, nonboose - cossax 1-cosxx = 1 - 020 moon. I'(T) = [, 2:19x] (xx) a 1/x 10, see zul our d 1(xx)= \( \frac{x\_5}{N-congx} \rightarrow \tau \tau \) georg carrae an. A-ob NP Solf Atto 2 X=0 down mans for 17 = 40 < x < 1,0 < d < A3 how of -> 2-x hardens g(u)= \( \langle \frac{1-con}{u^2}, \( \mathred \tau \) - construm, of -0 oglobs hereing \( \mathred \frac{1}{2}, \quad \mathred \frac{1}{2} \), \( \mathred \mathred \frac{1}{2} \), \( \mathred \fra 4(x,4)=9(4x).2 -> troup hav 60.5-x repositionex with them It - thous oreasoners (xx) - good: cosab. wm. us we pourumy Manney I, (4)= non Amon J. 2; NAX 9x Ocumeno obors. whey were og un d-> +0 Due supro rearlo, unoton I(4) reap um x e [0,1] IN(4) keys, Tr. Win. cosail I2(1) herry, Tr. when X7,1 | 1-cos xx | = 2 - Cx. rules => I(4) cx, puber us x < [0,1] => naup. 00. ora C0,1]

## Unnerperon Nanuaca

$$I(l) = \int_{-\infty}^{\infty} \frac{\cos tx}{\cos tx} dx \qquad \int_{-\infty}^{\infty} \frac{\sin tx}{\cos tx} dx$$

## University Prycesur

1) Man f(x) trent ero 60,40) n AA20 cx 2 1/4/9x
1) Man f(x) trent ero 60,40) n AA20 cx 2 1/4/9x

2) Rycero 4(x) every our Co, co) u 3 horoson hegen 4(+0)

Torga Habo

t(x)-6-x 1/15) Panor

5-6 cmar 2.

triumo, major 1 11x3/35 cx. hors. no de[p'0]

rp. Jeosax-rozex 9x

Trosx buck -1 1) 15) rantomoment

TO. IU - 1 cosdx dx 1-11 5 (14x)2 ~ 1/x4 Cx rubs, wo us B-cos I)(1)= 1- x2, ngx urm.cx, mbr., geop. leours you the 1-16 (14x2)2~ 1x3 I,(1) = 1 x50024x7x == 1.../= (xx1)2~ x2 uru. Cx. pubr., greep. elouoro upu tod  $= -\int_{-\infty}^{\infty} \frac{(1+x_3)_5}{X_5 + 1 - 1} \cos 4x \, dx = -\int_{-\infty}^{\infty} \frac{1+x_5}{\cos 2x} \, dx + \int_{-\infty}^{\infty} \frac{(1+x_3)_5}{\cos 2x} \, dx$ I"=1-56-9, 430 0009: 4-Crez-Crez NURA: A= 446\_4: R=46-4-4956-4: R=-476-456449564 -1 I(1)=Cre+Cre=== = 40=4, 4>0 II(4)1 = 12-0x -1 C1-0; I(4)= (C2+ 2/4) e-4  $T(0) = \begin{cases} \frac{1}{2} \frac{1}{4} & = 1 \\ \frac{1}{2} \frac{1}{4} & = 1 \end{cases} = 1 \\ \frac{1}{2} \frac{1}{4} \frac{1}{4} & = 1 \\ \frac{1}{2} \frac{1}{4} \frac{1}{$ I(4)== = (1+141)e-141 LG 12-4x5-6-8x5 4.620 = [(|6-x, 79)qx = ] an [6-x, 7qx (=) Hans, man lé-1,774 cr brow no de [9'4]. Commo 12>4