Algorithm: ATVUDE	in the <b>HP 32 SII Calculato</b>	r
A01 LBL A	T33 XEQ V T34 18.02002	E10 R↓
A02 DEG		E11 RTN
A03 CLVARS	T35 STO i	=============
A04 RADIX. A05 FIX 5	T36 CF 1 <b>V01 LBL V</b>	i   Register
A06 1	V01 LBL V V02 TO CHECK	=======================================
A07 INPUT N	V02 TO CHECK	
A08 1 E-3	V04 VIEW i	A← ax
A09 X	V05 PSE	1.002
A10 +	V06 VIEW(i)	B← ay
A11 STO i	V07 PSE	
A12 STO Z	V08 ISG i	3.004
A13 1.002	V09 GTO V	D← by
A14 STO V	V10 FS? 1	
A15 CLx	V11 RTN	E← cx
T01 LBL T	V12 END OK	5.006
T02 VIEW i	V13 PSE	F← cy
T03 PSE	V14 CF 10	
T04 FS? 0	V15 CLx	G← dx 7.008
T05 XEQ U	V16 ENTER	7.000 H← dy
T06 XEQ D	V17 RTN	
T07 0 T08 STO R	U01 LBL U U02 RCL i	l← ex
T09 STO T	U03 STO Z	9.010
T10 R	U04 R↓	J← ey
T11 SF 0	U05 RTN	
T12 ISG i	D01 LBL D	K← fx
T13 GTO T	D02 INPUT T	11.012
T14 CF 0	D03 INPUT R	L← fy
T15 RCL Y	D04 RCLT	1.01102 X← A+C+E+G+I+K
T16 RCL X	D05 RCL R	X = ax + bx + cx + dx + ex + fx
T17 y, x→θ,r	D06 $\theta$ ,r $\rightarrow$ y, x	
T18 STO R	D07 STO+ X D08 x<>y	2.01202 Y← B+D+F+H+J+L
T19 x<>y	D00 X<>y D09 STO+ Y	Y = ay+by+cy+dy+ey+fy
T20 STO T	D10 RCL V	
T21 SF 1	D11 STO i	To run the program: VEO A
T22 ST 10 T23 1	D12 R↓	To run the program: XEQ A and follow the instructions in
T24 0.001	E01 LBL E	the display.
T25 RCLx N	E02 x<>y	and diopics.
T26 2	E03 STO(i)	This program will can add 2
T27 x	E04 ISG i	or 3 or 4 or 5 or 6 vectors by
T28 +	E05 GTO E	Decomposition of the Compo-
T29 STO i	E06 2.002	nents.
T30 XEQ V	E07 STO+ v	A the a m.
T31 24.025	E08 RCL Z	Author: Cristovom A.Girodo
T32 STO i	E09 STO i	CHStovom A.GII 000

