				· .		•	
PC	=%00000		RØ	=2000000	R1	=2000001	
R2	=%00000		R3	=%000003	R4	=%000004	
R5	=%00000		R6	=%000006	R7	=2000007	
SINCOS	00000	0RG	SINTBL	000174R	SIN	01 000002R	
SIN02	00001	4R	SINOR	<u>000030R</u>	SIN	04 000046R	onuummuum.
SIN05	00006	2R	SIN06	000076R	SIN	07 000106R	
SIN08	00012	2R	SIN09	000136R	SIN		•
SIN11	00016	6R	SP	=%000006	•	= 000462R	
END ?			-			· ·	
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				BLITZKR	IEG SII	NE COSINE ROUTINE	
		<u>;</u>	***************************************	٧E	RSION 1	16	
**************************************		i	***************************************			AND B. SEILER 1974	scommencement
			RØ=ANG	AUG 19,197 ILE TO BE CON	-	(NORMALIZED BY PROGRAM)	
			R1=USE	D AS A FLAG			
		;	R4=C05				
	ametermeeneevaneevaneevaneevaneevaneev		R5=SIN	E	ancananiantananiantananiantakaaniantakaanianta		***************
	i.	;		•	•		
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i		j.	4				
	000000		_R0=0%_	***************************************			
	000001		R1=1%		•		
annumnumnumnumnumnumum	000002	eumanicameum.com.com.com.com.com.com.com.com.com.co	R2=2%	***************************************	umacomumicamicamicamicamica		~~~~~
	000003		R3=3%				
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	000005		R5=5%				
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× .	000006	*	SP=R6	•			
aneumumumumumumumumumumumumumumumumumumum	000007	000.000.000.000.000.000.000.000.000.00	PC=R7	***************************************	neren arren erren erren erren erren erren		
			TITLE	SINCOS			
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999999		SINCOS:		R1.	·····	. P.	
		SINCUS: SINA1		K1. RØ	•	CLR FLG REGISTER	
	002003	TUNT.				; TEST IF ANGLECO	
			BGE	51N02		; IF NOT JUMP AROUN	
อลอลลอ	062700		ADD	#360R0	······································	ADD ONE FULL CYCL	E
000010	000550						
	000773		BR	SINØ1	······································	→ GO TEST AGIN	***************************************
000014	022700		CMP	#360.,R0		;SEE IF > ONE CYCL	E
	000550	etennistaanistaanistamistamistamista	anneanneanneanneanneanneannean		***************************************		
	002003		BGE	51N03		; AINT THEN AVOID	
000022	162700	·····	_SUB	#360R0		SUBTRACT A CYCLE	
	000550					· · · · · · · · · · · · · · · · · · ·	
000026	000772		BR	SIN02	·····	; TRY AGAIN	
000030	010046	SIN03:	MOV	R0,-(SP)		SAVE NORMALED ANG	IF
	022700		CMP	#180 R0	***************************************	IS ANGLE > PIE?	
	000264		W-1-17			, 12 male 3 file:	
000036	000207		BGE	SIN04		NO CUID IT	
	005201	······································	INC		***************************************	, NO, SKIP IT	***********
	162700		INC SUB			SET NEGATIVE FLG	
······································	152700 000264	•		#180.,R0		; MAKE ANGL < PIE	~~~~~~
000046			بيد دري _ا يس				

000046 022700 SIN04: CMP #90 .RA

	000132				
000052			BGE	SIN05	; IT'S OK - SKIP
000054	005400		NEG	RØ	; MAKE ANGLE NEG
000056	062700	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ADD	#180 , RO	; INVERT ANGLE 2ND QUAD
	000264				
		SIN05:	ASL	<u>RØ</u>	:MAKE WORD POINTER
000064			MOV	SINTBL(R0),R5	;GRAB SINE
	000174				
•					
			PAGE	001	
000070	005304				•
000070		en e	ISI	R1	:LOOK AT NEG FLG
000072			BLE	SIN06	; POS. SINE - SKIP
<u>000074</u> 000076			NEG	R5	; MAKE VALUE NEG
000100			CLR	R1	CLEAR NEG FLG
000102		***************************************	MOY ADD	(SP), R0	GRAB ANGLE AGAIN
	002,00 000132		пии	#90.,R0	ADD 90 DEG. FOR COS
000106		SING7.	CMP	#360.,R0	. OME CHOLE OME HI
	022,00 000550		OTH	#300, J NO	ONE CYCLE ONLY!
000112			BGE	SIN08	; IT'S OK YOUR OK
000112			SUB	#360 . RO	; TOO BIG CHOP DOWN
	000550				TO DESCRIPTION OF THE PROPERTY
000120			BR	SING7	;TRY AGAIN
000122			CMP	#180.,R0	; NEGATIVE QUADRANT?
	000264				The world in the control of the cont
000126	002003		BGE	SIN09	; NO GO AWAY
000130	005201		INC	R1	; YES, MARK IT
000132 :			SUB	#180.,R0	; MAKE IT SMALLER
	000264				
000136			CMP	#90.,R0	; IS IT UNDER 90?
	<u>000132</u>				
000142			BGE	SIN10	;YES,GO AROUND
000144 (NEG	RO	SET FOR FLIP FLOP
000146			ADD	#180.,R0	;FLIP ANGLE
000152	<u>000264</u> 006700	CTN40.	ASL	RØ	
000154 (SINTBL(RØ),R4	SET FOR WORD POINTER
	010007 000174	***************************************	nor	SIMIBL(RU), R4	GRAB COSINE
000160			TST	R1	;TEST FOR NEG COS
000162 (**************************************		BLE	SIN11	;IT'S OK , GET
000164 (; MAKE COSINE NEGATIVE
000166 (R1	;CLEAR FLAG
000170 (; REPLACE NORMALIZED ANGL
000172 (PC	
		SINTBL:			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
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