

Fast text output on Graphics 0 Screen without OS#

General Information

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Assembler: Bibo Assembler

Published: CSM 3/89

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00010          .LI OFF
00020 -----
00030 * Fast Textoutput on          *
00040 * GRAFICS 0 Screen            *
00050 * (P) E.REUSS   CSM 3/89      *
00060 -----
00140 RETOUT   LDA  #$9B
00150 *
00160 CHROUT   STY  STOY
00170          STX  STOX
00180          JSR  CHOUT
00190 .1      LDA  $11
00200          BEQ  BREAK
00210          LDA  $2FF
00220          BMI  .1
00230          LDY  STOY
00240          LDX  STOX
00250          RTS
00260 ;
00270 BREAK   LDA  #$80
00280          STA  $11
00290          JSR  RETOUT
00300          LDX  #$FF
00310          STX  $2FC
00320 ;>>>> JMP  ...   insert own
00330 ;                               ERROR-
00340 ;                               ROUTINE here
00350 *
00360 STOX     .HX  00
00370 STOY     .HX  00
00380 -----
00390 EOUT     TAX
00400          LDA  $E407
00410          PHA
00420          LDA  $E406
00430          PHA
00440          TXA
00450          RTS
00460 -----
00470 CHOUT    STA  $2FB
00480          LDA  $2F0
00490          BNE  .1
00500          LDA  $5D
00510          LDY  #0
00520          STA  ($5E),Y
00530 .1      JSR  CUR1
00540          LDA  $2FB
00550          JSR  CHR1
00560          LDA  $5E
00570          CLC
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00580          ADC $55
00590          STA $5E
00600          BCC .2
00610          INC $5F
00620 .2       LDY #0
00630          LDA ($5E),Y
00640          STA $5D
00650          LDX $2F0
00660          BNE .3
00670          EOR #$80
00680 .3       STA ($5E),Y
00690          RTS
00700 -----
00710 BELL      LDA #$FD
00720          JMP EOUT
00730 -----
00740 ESCAPE    LDA #1
00750          STA $2FE
00760          RTS
00770 -----
00780 CHR1      LDX $2FE
00790          BNE CHR2
00800          CMP #$FD
00810          BEQ BELL
00820          CMP #$9B
00830          BEQ NEWLIN
00840          CMP #$1B
00850          BCC CHR2
00860          CMP #$20
00870          BCS CHR2
00880          TAY
00890          LDA TABHI-$1B,Y
00900          PHA
00910          LDA TABLO-$1B,Y
00920          PHA
00930          RTS
00940 *
00950 CHR2      LSR $2FE
00960          STA $70
00970          ASL
00980          ASL
00990          ROL
01000          ROL
01010          AND #3
01020          TAY
01030          LDA TABL1,Y
01040          EOR $70
01050          LDY $55
01060          STA ($5E),Y
01070          INC $55
01080          LDA $55
01090          CMP #$28
01100          BCS NEWLIN
01110          RTS
01120 *
01130 NEWLIN   LDA $52
01140          STA $55
01150 CDOWN    INC $54
01160          LDA $54

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01170		CMP	#\$18
01180		BCC	CURPOS
01190		DEC	\$54
01200		LDA	#0
01210		PHA	
01220		JSR	CURPOS
01230	NLA	LDA	\$5E
01240		STA	\$66
01250		LDA	\$5F
01260		STA	\$67
01270		LDY	#\$27
01280		PLA	
01290		CLC	
01300		ADC	#1
01310		CMP	#\$18
01320		BCS	NL1
01330		PHA	
01340		JSR	CURPOS
01350	NL0	LDA	(\$5E),Y
01360		STA	(\$66),Y
01370		DEY	
01380		BPL	NL0
01390		BMI	NLA
01400	NL1	JSR	CUR1
01410		LDY	\$55
01420	POKCHR	LDA	#0
01430	.1	STA	(\$5E),Y
01440		INY	
01450		CPY	#\$28
01460		BCC	.1
01470	CLRET	RTS	
01480	-----		
01490	CLEFT	DEC	\$55
01500		LDA	\$55
01510		CMP	\$52
01520		BCS	CLRET
01530		LDA	#\$27
01540		STA	\$55
01550		RTS	
01560	-----		
01570	CRIGH	INC	\$55
01580		LDA	\$55
01590		CMP	#\$28
01600		BCC	CLRET
01610		LDA	\$52
01620		STA	\$55
01630		RTS	
01640	-----		
01650	CURUP	LDA	\$54
01660		BNE	CUP1
01670		LDA	#\$18
01680		STA	\$54
01690	CUP1	DEC	\$54
01700	CUR1	LDA	\$54
01710	CURPOS	STA	\$5E
01720		ASL	
01730		ASL	
01740		ADC	\$5E
01750		PHA	

```

01760      LSR
01770      LSR
01780      LSR
01790      LSR
01800      LSR
01810      STA $5F
01820      PLA
01830      ASL
01840      ASL
01850      ASL
01860      CLC
01870      ADC $58
01880      STA $5E
01890      LDA $5F
01900      ADC $59
01910      STA $5F
01920      RTS
01930 -----
01940 TABL1      .HX 40206000
01950 -----
01960 TABLO      .DA #ESCAPE-1 (ESC)
01970           .DA #CURUP-1  (UP)
01980           .DA #CDOWN-1  (DOWN)
01990           .DA #CLEFT-1  (LEFT)
02000           .DA #CRIGH-1  (RIGHT)
02010 TABHI     .DA /ESCAPE-1 (ESC)
02020           .DA /CURUP-1  (UP)
02030           .DA /CDOWN-1  (DOWN)
02040           .DA /CLEFT-1  (LEFT)
02050           .DA /CRIGH-1  (RIGHT)
02060 -----

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