



```

; A TO D TO FIRE A TORPEDO
; NUMBERS FROM 0 TO 800. ARE
; ACCEL. 800. TO 1024. FIRE A
; TORPEDO.
; NUMBER REQUIRED TO CENTER THE
; ANGLE ROTATION CONTROLLER

```

000702

ANGMID=450.

```

. TITLE SPCWAR
. GLOBL UPDAT1, UPDAT2, RKT1, RKT2, POINT, COMPAR, AMMO
. GLOBL WIN, HIT1, HIT2, SPCWAR, RESET, GAME1, GAME2
. GLOBL XDISP1, XDISP2, YDISP1, YDISP2, PARM, GRAVITY
. GLOBL XVELL1, XVELL2, YVELL1, YVELL2
. GLOBL XVELH1, XVELH2, YVELH1, YVELH2
. GLOBL FLAG1, FLAG2, ANGL1, ANGL2, GRVFLG, PTREP
. GLOBL ANGH1, ANGH2, XSIZE1, XSIZE2, SPCRST
. GLOBL YSIZE1, YSIZE2, PTNUM, SHOTS1, SHOTS2
. GLOBL MASK, RKTSIZ, TSPEED, FIRE, ANGMID, SPCWAR

```

PAGE 001

```

. GLOBL DAC0, DAC1, DAC2, ADCS, ADBR, SUNSZ

```

```

000000 000000 . CSECT
000000 012706' SPCWAR: MOV #SPCWAR, SP ; SET UP THE STK
000000 000000
000004 005067 CLR GAME1 ; NEW SET OF GAMES
000000 000212
000010 005067 CLR GAME2 ; NEW SET OF GAMES
000000 000210
000014 004767' JSR PC, PARM ; CHECK FOR A CHANGE IN PARAMETER
000000 000000
000020 012767' SPCRST: MOV #401, ADCS ; START A TO D FOR ACC1
000000 000401
000000 176770
000026 016767 MOV WIN, HIT1 ; REPLACE ALL SHIELDS
000000 000162
000000 000150
000034 016767 MOV WIN, HIT2 ; OF BOTH RKTS
000000 000154
000000 000144
000042 016767 MOV AMMO, SHOTS1 ; RESET # OF SHOTS RKT1
000000 000150
000000 000140
000050 016767 MOV AMMO, SHOTS2 ; RESET # OF SHOTS RKT2
000000 000142
000000 000134
000056 005067' CLR PTNUM ; CLEAR ALL TORPEDOES
000000 000000
000062 004767' JSR PC, RESET ; RESET ALL RKT DATA
000000 000000
000066 012702' SPC01: MOV #YSIZE1, R2 ; SET UP POINTER AT RKT DATA
000000 000130
000072 004767' JSR PC, UPDAT1 ; UPDATE RKT1 AND FIRE TORPEDOS
000000 000000
000076 004767' JSR PC, UPDAT2 ; UPDATE RKT2 AND FIRE TORPEDOES
000000 000000
000102 004767' JSR PC, GRAVITY ; DO GRAVITY - MAYBE!
000000 000000
000106 004767' JSR PC, RKT1 ; DRAW ROCKET # ONE
000000 000000
000112 004767' JSR PC, RKT2 ; DRAW ROCKET # TWO
000000 000000
000116 004767' JSR PC, POINT ; UPDATE AND DRAW TORPEDOES
000000 000000
000122 004767' JSR PC, COMPAR ; CHECK FOR COLLISIONS OR HITS
000000 000000
000126 000757 BR SPC01 ; DO IT ALL AGAIN!!!!!!!!!!!!!!
000130 000000 YSIZE1: . WORD 0

```

000132 000000 FLAG1: .WORD 0  
000134 000000 YVELL1: .WORD 0  
000136 000000 YVELH1: .WORD 0  
000140 040000 YDISP1: .WORD 16384  
000142 000000 XSIZE1: .WORD 0  
000144 000000 XVELL1: .WORD 0  
000146 000000 XVELH1: .WORD 0  
000150 040000 XDISP1: .WORD 16384  
000152 000000 ANGL1: .WORD 0

PAGE 002

000154 000000 ANGH1: .WORD 0  
000156 000000 YSIZE2: .WORD 0  
000160 000000 FLAG2: .WORD 0  
000162 000000 YVELL2: .WORD 0  
000164 000000 YVELH2: .WORD 0  
000166 140000 YDISP2: .WORD -16384  
000170 000000 XSIZE2: .WORD 0  
000172 000000 XVELL2: .WORD 0  
000174 000000 XVELH2: .WORD 0  
000176 140000 XDISP2: .WORD -16384  
000200 000000 ANGL2: .WORD 0  
000202 000000 ANGH2: .WORD 0  
000204 000214 HIT1: .WORD WIN  
000206 000214 HIT2: .WORD WIN  
000210 000216 SHOTS1: .WORD AMMO  
000212 000216 SHOTS2: .WORD AMMO  
000214 000040 WIN: .WORD 32  
000216 000100 AMMO: .WORD 64  
000220 040000 TSPEED: .WORD 16384  
000222 000000 GAME1: .WORD 0  
000224 000000 GAME2: .WORD 0  
000226 000000 GRVFLG: .WORD 0  
000230 000000 PTREP: .WORD 0  
000001 .END

PAGE 003

000000 ERRORS

PAL-115 V003A

\*S H

\*B H

\*L T

\*T T