



Tech Info Library

Applesoft: Internals--Page Zero Memory Map (1 of 2)

Revised: 11/7/84
Security: Everyone

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00-02  START  Initialize low RAM memory
03-05  RDYJSR  Jumps to STROUT
06,07  ADRAYI  Address of AYINT subroutine
08,09  ADRGAY  Address of GIVAYF subroutine
0A-0C  USRPOK  Vector for USR() function
0D     CHARAC  String delimiter
0E     ENDCHR  String delimiter
0F     COUNT  General purpose counter
10     DIMFLG  Flag to permit arrays
11     VALTYP  Variable type indicator.  0=numeric, 1=string
12     INTFLG  Variable type indicator.  1=integer, 0=real
13     GARBFL  Flag to signal the need for garbage collection
14     SUBFLG  Flag to permit array variables.
15     INPFLG  Determines if this is INPUT or READ
16     TANSIGN  Used for the sign during TAN() function
1A,1B  SHAPE   High-Res shape pointer
1C     HCOLOR1 High-Res running color mask
1D     COUNTH  High-Res counter
26,27  HBAS   High-Res base address pointer
2C     H2
2D     V2
45     ERROV
50,51  LINNUM  16 bit integer work area
53,54  LASTPT  Pointer to last used string temporary
55-5D  TEMPST  Temporary string descriptor storage area
5E,5F  INDEX   General purpose index
60,61  INDEX2  General purpose index
62-66  RES     Multiply or divide result (HO,MOH,MO,LO)
67,68  TEXTAB  Pointer to start of the program text
69,6A  VARTAB  Pointer to start of simple variable space
6B,6C  ARYTAB  Pointer to start of array variable space
6D,6E  STREND  Pointer to end of storage in use
6F,70  FRETOP  Pointer to top of string free space
71,72  FRESPC  Pointer to new string
73,74  MEMSIZ  Pointer to top of memory
75,76  CURLIN  Current line number
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77,78	OLDLIN	Old line number, set up by ctrl-C, STOP, or END
79,7A	OLDTXT	Old text pointer
7B,7C	DATLIN	Line number where data for next READ comes from
7D,7E	DATPTR	Pointer to data for next READ
7F,80	INPPTR	Pointer to where input is coming from
81,82	VARNAM	Storage area for a variable's name
83,84	VARPNT	Pointer to a variable in memory
85,86	FORPNT	Variable pointer for FOR and LET
87,88	OPPTR	Pointer to current formula operation in OPTAB
89	OPMASK	Mask created by current operator
8A,8B	DEFPNT	Pointer used in function definition
8C,8D	DSCPNT	Pointer to a string descriptor
8E	TEMPF3	Temporary pointer
8F	FOUR6	Constant for garbage collection
90-92	JMPER	Internal vector
93	TEMPF1	Temporary pointer
94,95	ARRYPT	Pointer into an array
94,95	HIGHDS	Destination of highest element in BLT.
96,97	HIGHTR	Source of highest element to move in BLT.
98	TEMPF2	
99,9A	LOWDS	Location of last byte transferred into in BLT.
9B,9C	LOWTR	Last thing to move in BLT. See BLTU.
9D-9F	DSCTMP	Temporary string descriptor
9D-A2	FAC	Floating point accumulator. (EXP,HO,MOH,MO,LO,SGN)

Apple Tech Notes

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