index

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COLLABORATORS

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ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY	Bruce Brown	August 24, 2022	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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```

1.2 a

```
INDEX - A

  ABS PATH         Custom RPL Animation Method

  ACOS             RPL kernel word
  AGAIN             "    "      "
  AND               "    "      "

  Animation        RPL Animation specific words
  Animation        Animation System description

  ARexx            RPL ARexx words

  ASIN             RPL kernel word
  ASPEC            RPL animation word
  ATAN             RPL kernel word

  ATTRIBUTES       Animation method

  Attributes       RPL object data
```

1.3 b

```
INDEX - B

  B.               RPL kernel word
  B@                "    "      "
  BAND              "    "      "

  BBS              Real 3D Bulletin Board list
```

1.4   c

1.5 d

1.6 e

```
ENDIF            RPL kernel word

Environments     Saving Project settings

ERROR                 "      "      "

Errors in the manual     Manual corrections

ERR_INSTALL      RPL word
ERR_REMOVE            "     "

EVAL             RPL kernel word

Evaluable Objects  Primitives as parameters for Animation methods

Example code     Developer information

EXECUTE          RPL kernel word
EXIT                  "      "      "
EXP                   "      "      "
```

1.7 f

```
INDEX - F

F.               RPL kernel word
F!                    "      "      "
F+                    "      "      "
F-                    "      "      "
F*                    "      "      "
F/                    "      "      "
F<                    "      "      "
F<=                   "      "      "
F<>                   "      "      "
F=                    "      "      "
F>                    "      "      "
F>=                   "      "      "
F>I                   "      "      "
F@                    "      "      "
FCONSTANT             "      "      "

FIL_LOAD         RPL file I/O word
FIL_SAVE              "     "      "     "

FMOD             RPL kernel word

FontLoader       Custom RPL font loader tool

FORGET           RPL kernel word

Formulas         Formula evaluation with RPL

FRICTION         Animation method
```

```
    FVARIABLE        RPL kernel word

    [fStAngle fEnAngle]  RPL sector angles
```

1.8 g

```
INDEX - G

    General notes   Developer information

    GEOMETRY        RPL object data

    GET_FILE        RPL user interface word
    GET_FLT          "    "         "       "
    GET_KEY          "    "         "       "
    GET_STR          "    "         "       "
    GET_VECT         "    "         "       "

    GETVSTACK       RPL vector word
```

1.9 h

```
INDEX - H

    H.              RPL kernel word

    HAM8 Screens    How to use AGA screen modes
```

1.10 i

```
INDEX - I

    I               RPL kernel word
    I>F              "    "      "

    iColor          RPL object color word

    IF              RPL kernel word

    Index           Material handler

    Information not in the manual  Last minute changes

    INHERIT         RPL miscellaneous word

    INSIDE_FREE     RPL inside/outside test word
    INSIDE_PREP     RPL inside/outside test word
    INSIDE_TEST     RPL inside/outside test word

    INT COLLISION   Animation method
```

```
INV KINEMATIC      "          "
```

1.11 j

```
INDEX - J

J                  RPL kernel word
```

1.12 k

```
INDEX - K

K                       RPL kernel word

Kernel Words            List of RPL kernel words

Key Frame Editing       Editing Key Frame Animations

KeyFramer               Custom RPL animation tool
```

1.13 l

```
INDEX - L

LEAVE           RPL kernel word

Links           Bi-directional Links

Loading Examples   PAL/NTSC project considerations

LOAD            RPL kernel word
LOG             "     "     "
LOG10           "     "     "
LOOP            "     "     "
```

1.14 m

```
INDEX - M

Mapping          Material handler
Materials        Material Editor window

MATERIALS        RPL material specific words

Material Data       Developer information

Material Handlers   Material Handler descriptions
```

```
Material Variables   Material variables information

Material Window      External Material Class Options

MAT_CREATE        RPL material specific word
MAT_DELETE         "         "         "         "
MAT_FIND           "         "         "         "
MAT_LOCK           "         "         "         "

Measuring window     How to use the measuring system

MEM_ALLOC         RPL miscellaneous word
MEM_FREE           "         "              "

MENU              RPL Miscellaneous word
     Menu List              All Menus & their RPL numbers

MeshToSph         Custom RPL Tool

Miscellaneous Words  RPL miscellaneous words

MOD               RPL kernel word

ModifyACs         Custom RPL tool
ModifyCOGs          "        "     "

MODIFY FLAGS      RPL modification flags

ModifyNL          Custom RPL tool

MORPHING          Animation method
MORPHING CLOSED        "          "
MORPHING OPEN          "          "
MOVE & DIR             "          "

MTH_CREATE        RPL animation specific word
MTH_DELETE         "         "           "       "
MTH_FIND           "         "           "       "

M_ALPHA           RPL modification word
M_COLOR            "           "         "
M_COPY             "           "         "
M_CUT              "           "         "
M_DELETE           "           "         "
M_DUPLICATE        "           "         "
M_EXTEND           "           "         "
M_MIRROR           "           "         "
M_MOVE             "           "         "
M_MOVECOG          "           "         "
M_NAME             "           "         "
M_PASTE            "           "         "
M_ROTATE           "           "         "
M_SHEAR            "           "         "
M_SIZE2D           "           "         "
M_SIZE3D           "           "         "
M_STRETCH          "           "         "
```

```
    M_SWAP              "         "         "
```

1.15 n

```
INDEX — N

  NEW FEATURES     New RPL features in V2.40

  NOISE            Animation method

  NOT              RPL kernel word
```

1.16 o

```
INDEX — O

  O.                   RPL kernel word

  Object Creation         List of RPL object creation words

  Object Data             Developer information

  Object Manipulation     List of RPL Object manipulation words
  Object Modification      "    "    "    "     modification  "

  OR               RPL kernel word
  OVER              "    "    "

  O_CREATAG        RPL object specific word
  O_CURRENT         "    "        "      "
  O_DELETE          "    "        "      "
  O_DERIV           "    "        "      "
  O_EVAL            "    "        "      "
  O_FIND            "    "        "      "
  O_FINDTAG         "    "        "      "
  O_FINDWILD        "    "        "      "
  O_GETCUR          "    "        "      "
  O_GETNEXT         "    "        "      "
  O_GETPAR          "    "        "      "
  O_GETPREV         "    "        "      "
  O_GETSEL          "    "        "      "
  O_GETSUB          "    "        "      "
  O_LOCK            "    "        "      "
  O_PROP            "    "        "      "
  O_SCAN            "    "        "      "
  O_SELECT          "    "        "      "
```

1.17 p

```
INDEX - P

  PATH                Animation method

  Periodic Evaluation      Repeating Motion cycles

  PICK              RPL kernel word
  PLAY              RPL animation specific word
  POW               RPL kernel word

  Procedural Materials     Procedural materials information

  PROCESSOR           Animation method

  PUTS              RPL kernel word
```

1.18 q

```
INDEX - Q

  QUIT              RPL kernel word
```

1.19 r

```
INDEX - R

  R0                RPL kernel word
  R>                 "     "      "

  RADIAL FORCE      Animation method

  RANDOM            RPL kernel word

  RAY_FREE          RPL miscellaneous word
  RAY_INTERS          "         "            "
  RAY_PREP            "         "            "

  RDEPTH            RPL kernel word

  Real 3D Binary File Format          Developer information
  Real 3D Display Driver Interface      Developer information

  Real 3D File I/O      List of RPL file I/O words

  Real 3D Programming Language    RPL language description

  REFRESH           RPL miscellaneous word
  RENDER               "        "            "

  Rendering Settings   Description of rendering settings
```

```
REPEAT          RPL kernel word
ROLL               "     "      "
ROT                "     "      "

ROTATION        Animation method

ROT_COORD       RPL miscellaneous word

RPL Changes     RPL changes in Version 2.47

RPL             Animation method

RPL             Description of RPL programming language

RPL Stack Problems   RPL 'Stack Full' solution

RPL Variables  Description of Animation RPL words

RX              RPL ARexx word
RX_RC              "     "      "
RX_RESULT          "     "      "
RX_SETCLIP         "     "      "
```

1.20 s

```
INDEX - S

  S0            RPL kernel word

  Scope         Materials handler

  SCR_SAVE      RPL miscellaneous word

  SIMPLE SKELETON  Animation method

  SIN           RPL kernel word

  SIZE          Animation method
  SKELETON            "         "

  Skeletons     V2.4 Compatibility with earlier versions

  SPRINTF       RPL kernel word
  SQRT             "     "      "

  STRETCH       Animation method

  STRING        RPL kernel word
  SWAP             "     "      "

  SWEEP         Animation method

  SYSTEM        RPL miscellaneous word
```

1.21 t

```
INDEX - T

  Tags              Tag description

  TAN               RPL kernel word

  TANGENT FORCE     Animation method

  Tools             Custom RPL tools description

  Tool Types        Workbench icon tool types

  TRANSFORM         Animation method
```

1.22 u

```
INDEX - U

  UNTIL             RPL kernel word

  User Interface    User interface RPL words
```

1.23 v

```
INDEX - V

  V!                RPL vector operation word
  V.                 "     "         "       "

  V.40 changes      Developer information

  V@                RPL vector operation word
  VADD               "     "         "       "
  VARIABLE          RPL kernel word

  Variables         List of material variables

  VCONSTANT         RPL vector operation word
  VCROS              "     "         "       "
  VDOT               "     "         "       "

  Vector Operations      List of RPL vector operation words

  Version Data           Developer information

  VLEN              RPL vector operation word
  VLIST             RPL kernel word
  VMUL              RPL vector operation word
  VNORM              "     "         "       "
  VSUB               "     "         "       "
```

```
   VVARIABLE              "      "          "      "
```

1.24 w

```
INDEX − W

  W!                 RPL kernel word
  W@                   "      "      "

  WAVE               Animation method
  WEIRD FORCE        Custom RPL Animation Method

  wFreeType          RPL point evaluation word
  wGeomFlags         RPL freeform geometry word

  WHILE              RPL kernel word

  WND_ADDR           RPL miscellaneous word
  WND_LOCK             "         "              "
  WND_OPEN             "         "              "
  WND_SENDMSG          "         "              "
```

1.25 x

```
INDEX − X

  XOR                RPL kernel word
```

1.26 y

```
INDEX − Y

      No Entries
```

1.27 z

```
INDEX − Z

      No Entries
```

1.28 misc

```
INDEX - MISC

  !                 RPL kernel word
  &                  "     "     "
  (                  "     "     "
  )                  "     "     "
  *                  "     "     "
  +                  "     "     "
  +LOOP              "     "     "
  -                  "     "     "
  .                  "     "     "
  .S                 "     "     "
  /                  "     "     "
  :                  "     "     "
  ;                  "     "     "
  <                  "     "     "
  <>                 "     "     "
  <=                 "     "     "
  =                  "     "     "
  >                  "     "     "
  >=                 "     "     "
  >R                 "     "     "
  >RAD               "     "     "
  ?&                 "     "     "
  ?DUP               "     "     "
  ?ELSE              "     "     "
  ?ENDIF             "     "     "
  ?IF                "     "     "
  @                  "     "     "
```