

```
-- File: CoreSwapDefs.mesa
-- Last edited by Sandman; August 3, 1977 8:22 AM
```

DIRECTORY

```
ControlDefs: FROM "controldefs",
SegmentDefs: FROM "segmentdefs";
```

```
CoreSwapDefs: DEFINITIONS =
```

BEGIN

```
SVPointer: TYPE = POINTER TO ControlDefs.StateVector;
```

```
ExternalStateVector: TYPE = RECORD [
  state: SVPointer,
  reason: SwapReason, level: [0..377B],
  gft, av, sd, tables: POINTER,
  drumFile: SegmentDefs.FileHandle,
  parameter: POINTER TO DebugParameter,
  loadstate: SegmentDefs.FileSegmentHandle,
  fill: PRIVATE ARRAY [9..19) OF WORD
];
```

```
SwapReason: TYPE = {
  -- handled by debugnub
  proceed, -- THIS MUST BE FIRST !!
  start,
  call,
  resume,
  quit,
  attach,
  showscreen,
```

```
  -- handled by external debugger
  install,
  breakpoint,
  worrybreak,
  uncaughtsignal,
  explicitcall,
  return,
  punt,
  interrupt
};
```

```
DebugParameter: TYPE = MACHINE DEPENDENT RECORD [
  string: STRING,
  body: SELECT COMPUTED SwapReason FROM
    uncaughtsignal => [
      msg: UNSPECIFIED,
      signal: UNSPECIFIED],
    return => [
      value: UNSPECIFIED],
    start, attach => [
      frame: ControlDefs.GlobalFrameHandle],
    call => [
      sv: ControlDefs.StateVector],
  ENDCASE
];
```

```
uncaughtsignalDP: TYPE = POINTER TO uncaughtsignal DebugParameter;
returnDP: TYPE = POINTER TO return DebugParameter;
startDP: TYPE = POINTER TO start DebugParameter;
attachDP: TYPE = POINTER TO start DebugParameter;
callDP: TYPE = POINTER TO call DebugParameter;
```

```
SetLevel: PROCEDURE [l: INTEGER];
CoreSwap: PROCEDURE [why: SwapReason, sp: SVPointer];
CanSwap: SIGNAL;
CAbort: SIGNAL;
```

```
END ...
```