

# Cpmtools

<http://www.moria.de/~michael/cpmtools/>

## Format description

```

diskdef name                format definition
  seclen n                  128,256,512,1024,.. Sector length
  tracks n                 1.. Number of tracks
  sectrk n                 1.. Sectors per track
  blocksize n              1024,2048,4096,8192,16384 Block size
  maxdir n                 1.. Number of directory entries
  skew n                   0.. Logical sector skew
  skewtab r1,r2,r3,...    skew table
  boottrk n                Number of system tracks
  offset n | nK | nM | nT   n Byte|n Kilobyte|n Megabyte|n Tracks
  logical extents          Logical extents per physical extent
  os 2.2 | 3 | isx | p2dos | zsys
  libdisk:format name     pcw720, cpcsys
end

```

## Berechnungen:

```

size := (secLength*sectrk*(tracks-boottrk))/blksiz;
if (extents==0) extents := ((size>=256 ? 8 : 16)*blksiz)/16384; if
(extents==0) extents := 1;
AllocatableDataBlocks := size-(maxdir*32+blksiz-1)/blksiz;

```

## posix:

```

physical pos := (sector+track*sectrk)*secLength+offset;
libdisk:
physical sector := track*sectrk + sector + offset/secLength;

```

## win32c:

```

SetFilePointer ((sector+track*sectrk)*secLength+offset;

```

Viele Hinweise zu libsk, cpmtools, ... und zur Analyse unbekannter Disketten gibt's von Larry Kraemer auf <http://forums.debian.net/viewtopic.php?f=16&t=112244>

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Last update: **2015/01/15 11:01**



