

The scale of the video signal pictures:

Macrovision signal peaks are 6 characters above black level (a reasonably good approximation)

Scope	Interlace	Macrovision regions			
trigger	starts			
:	:	1		2 1	2
:	:	1	Region 1	2 1	Region 2
:	:	1	(between '1's)	2 1	(between '2's)
:	:	1		2 1	2

[illegible]

```

:
: Picture
: start
:

```

Figure 1 shows a schematic diagram of a 1D lattice chain. A horizontal line represents the chain, with a small vertical tick mark on the left labeled '1'. Below the line, there are 10 vertical lines representing sites. Above the line, there are 10 dots representing particles, with an ellipsis '...' to the right of the last dot.

3 3 3 3 3 3
3 2 3 2 3 2 3 2 3 2 3
2 0 3 1 4 2 5 3 6 4 7

I'll explain those regions later. It is very easy to calculate the required timing for a Macrovision eliminator from this picture (more later, also). There are other line numbering systems, but this is "time sequential".

Picture 1	Macro vertical blanking region with Macrovision		Picture
Scope	Interlace	Macrovision region	start
trigger	starts	start
.	.	.	.
:	:	:	: