

Re: loader breaks with -O2 optimizations

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2007-10/msg01449.html>

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Stephan F. Yarahgchi wrote:

After making world on a freshly installed 7.0-BETA1
the system does not boot anymore due to a broken loader:

```
FreeBSD/i386 bootstrap loader, Revision 1.1  
(root@bigblue, Tue Oct 30 11:26:32 CET 2007)  
Can't work out which disk we are booting from.  
Gussed BIOS device 0xffffffff not found by probes defaulting to disk0:
```

```
panic: free: guard1 fail@ 0x6ded4 from  
/usr/src/sys/boot/i386/loader/../../common/module.c:959
```

```
--> Press a key on the console to reboot <--
```

I found out that the following line in my make.conf causes
the problem:

```
CFLAGS= -O2 -funroll-loops -pipe
```

After changing down to -O1 and making /usr/src/sys/boot again
the systems behaves properly at boot.

Is this behavior intended?

Maybe, what happens if you use just -O2 -pipe? -funroll-loops is not an appropriate thing to be using globally anyway, unless your intention is to randomly make some code slower.

Kris

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