

# Amplification Factor

- ELEGANT 2022.2.0
- &amplification\_factors suffered an error
- Even the example that downloaded from Forum has the same **SIGSEGV error**

```
13
14 &run_control
15     n_steps=1,          !! number of error seeds
16     n_passes = 1
17 &end
18
19
20
21 &closed_orbit
22     output = %s.clo,
23     output_monitors_only=0,
24     closed_orbit_accuracy = 1e-10,
25     closed_orbit_iterations = 500,
26     iteration_fraction = 1e-2,
27 &end
28
29
30
31 &amplification_factors
32     output = %s.af ,
33     uncorrected_orbit_function = %s.uof ,
34     name = "q*"
35     type=KQUAD,
36     item = "DX",
37     change = 30e-6,
38     plane = "h",
39 !     number_to_do = 1
40 !     maximum_z = 2.6
41 &end
42
43
```

```
nyhuang@pauli:~/ELEGANT/11-Upgrade/HOA-BVB/alignment
File Edit View Search Terminal Help
fraction_multiplier = 1.0500000000000000e+00,
multiplier_interval = 5.0000000000000000e+00,
output_monitors_only = 0,
tracking_turns = 0,
disable = 0,
immediate = 0,
&end
statistics:      ET:      00:00:00 CP:      0.02 BIO:0 DIO:0 PF:0 MEM:16528
Saving lattice parameters to tpsii-hoa-bvb-2s4sh-error-af.param...done.
&amplification_factors
  output = %s.af,
  uncorrected_orbit_function = %s.uof,
  corrected_orbit_function = {NULL},
  kick_function = {NULL},
  change = 3.0000000000000000e-05,
  name = q*,
  type = KQUAD,
  item = DX,
  plane = h,
  number_to_do = -1,
  maximum_z = 0.0000000000000000e+00,
&end
Amplification factorsAll elements of type KQUAD named Q*, when DX is changed (by :
Working on element QL4#1 at z=3.415000e+00m

Terminated by SIGSEGV
Program trace-back:
[nyhuang@pauli alignment]$
```