NAME

saotrace.config – access SAOTrace component configurations

SYNOPSIS

```
-- this way
require('saotrace.config')
saotrace.config.component.parameter = value

-- or
local component = require('saotrace.config').component
component.parameter = value

-- or
require('saotrace.config')
local component = saotrace.config.component
component.parameter = value
```

DESCRIPTION

saotrace.config is the primary interface to the Lua based SAOTrace configuration system.

Each SAOTrace component (e.g. **raygen**, **aperture**) which requires further configuration data than is available via it's **cxcparam** parameter file uses this system. Refer to the documentation for each component to see if it requires this additional configuration.

How to Use It

Configuration for a component (e.g. **raygen**) is stored in a table in the **saotrace.config** table. The first step is to gain access to that table, which is done by loading the **saotrace.config** module:

```
require('saotrace.config')
```

This makes the **saotrace.config** table available in the global environment (and also returns it directly). It is possible to use the entire path to a parameter:

```
saotrace.config.raygen.jitter.tintersect = false
```

But if multiple parameters are being set it is easier to get a reference to the raygen table and use that:

```
local raygen = saotrace.config.raygen
raygen.jitter.tintersect = false
raygen.scripts.entrance_aperture = { src = 'ea.script' }
```

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