

Eval scheme examples

- Use **any module or class** instance as an “eval device”
- Supports writable eval attributes
- Allows mathematical operations with other attributes



```
$ taurusform 'eval:@c=mymod.MyClass()/c.foo' \
'eval:@datetime.* /date.today().isoformat()' \
'eval:@os.* /environ["USER"]' \
'eval:@os.path.* /getsize("/var/log/mail.err")<50' \
'eval:{tango:sys/tg_test/1/ampli}/{h5file:/tmp/foo.h5::entry/time}'
```

mymod.py

```
class MyClass(object):

    _foo = 0

    def get_foo(self):
        return self._foo

    def set_foo(self, value):
        self._foo = value

    foo = property(get_foo, set_foo)
```

TaurusForm

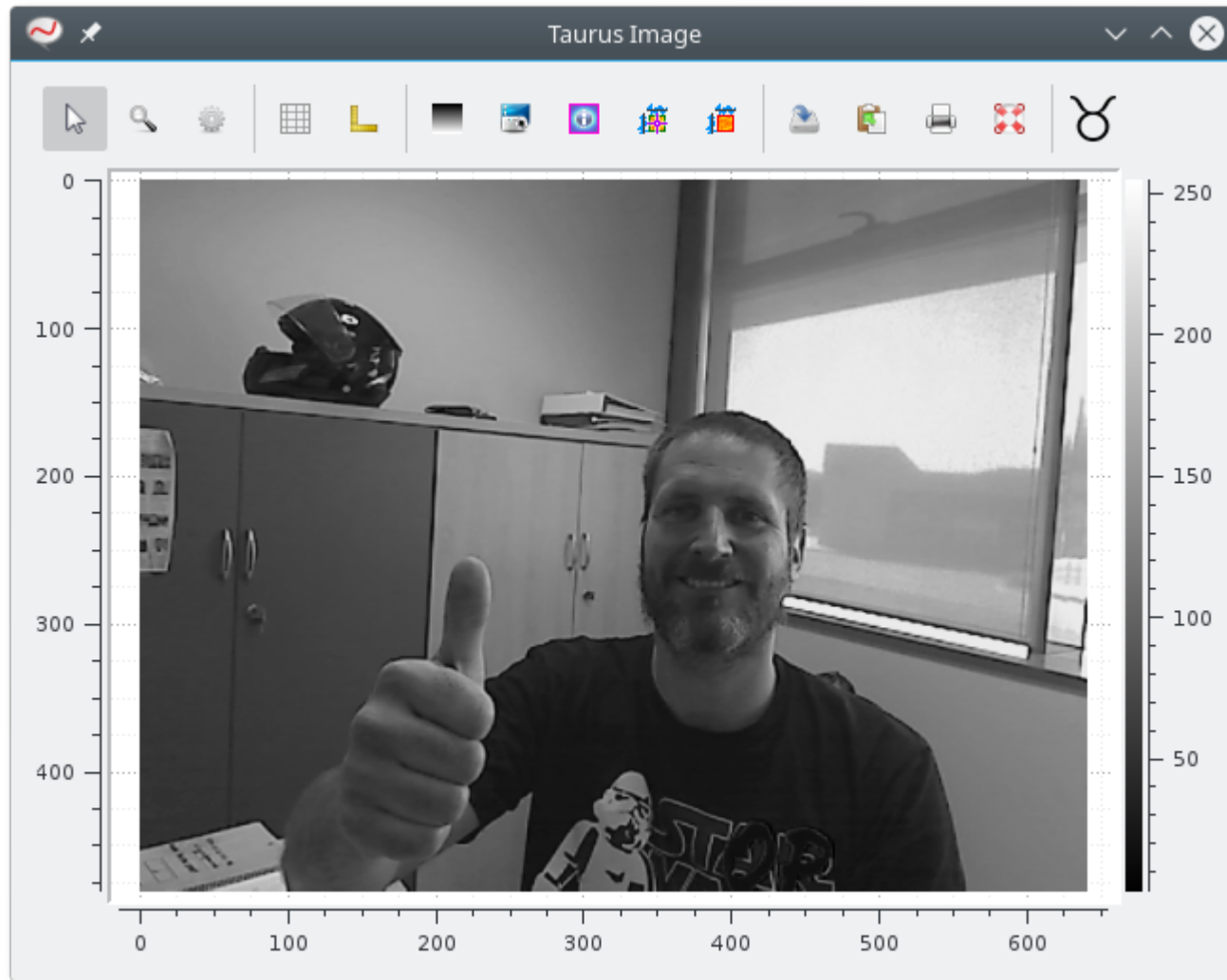
c.foo	<input type="text" value="7"/>	7
date.today().isoformat()	<input type="text" value="2017-10-10"/>	
environ["USER"]	<input type="text" value="cpascual"/>	
getsize("/var/log/mail.err")<50	<input checked="" type="checkbox"/>	
ampli/time	<input type="text" value="1.2"/>	m / s



docs: <http://www.taurus-scada.org/devel/api/taurus/core/evaluation.html>
mymod example: `taurus.core.evaluation.test.res.mymod`

Eval scheme examples

```
$> taurusimage 'eval:@c=cv2.VideoCapture(0)/c.read()[1][...,1]'
```



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