
Subject: IDL 8 Operator Overloading and Error Tracking

Posted by [mankoff](#) on Sun, 19 Dec 2010 04:04:20 GMT

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I haven't used IDL 8 but am wondering if the operator overloading would support automatic tracking via hidden variables. Could a class (is that the right term?) be written so the following code is supported?

```
x = randomu(seed, 10 )
y = randomu(seed, 10 )
z = x + y
plot, z
```

;; and then, due to operator overloading:

```
plot, z.err
```

```
;; or
```

```
print, !z.err
```

```
;; or
```

```
print, z_err
```

Where errors are initially tracked as per a standard (or customizable) function for $+/-/*^e$ and `log()` operators, and supports extensions or hooks to add support for additional functions (system, and user) such as "z = smooth(x,3)" and "my_pro, x^2, z"

This would be a nice feature.
