
Subject: [Object IDL] routines that require user-supplied functions ...

Posted by [dEdmundson](#) on Tue, 11 Aug 1998 07:00:00 GMT

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Here is a *demo* object-IDL code I wrote to illustrate a problem.
This object integrates x^n over the interval (a,b) using the
QROMB function. QROMB requires a user-defined function but I
cannot manage to pass the 'poly' method.

While this is a contrived example, one often wants to pass
object method functions/procedures to other IDL routines. Is
there a generic way of passing object methods to such intrinsic
routines?

Cheers,
Darran.

```
;;-----  
;; save the following as test4__define.pro somewhere in your IDL path  
;; uncomment one of the return statements in test4::integral  
;; invoke the object with t = obj_new('test4',3.0,0.0,1.0)
```

```
function test4::init, degree, a, b  
    self.degree = degree  
    self.a = a  
    self.b = b  
    print, 'Integral = ', self->integral()  
    return, 0  
end
```

```
function test4::integral  
; try both of these ...  
; return, qromb('test4::poly', self.a, self.b)  
; return, qromb('self->poly', self.a, self.b)  
end
```

```
function test4::poly,x  
    return, x^(self.degree)  
end
```

```
pro test4__define  
    struct = {test4, degree:0.0, a:0.0, b:0.0}  
end
```

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