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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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