Subject: iTools custom data operations
Posted by Eric Hudson on Tue, 20 Jun 2006 17:37:09 GMT
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My question is about making custom data operations for iTools. As a simple example, say I want to write a derivative operator (a real dy/dx, not just dy). It looks like this will never work with subclassing IDLitDataOperation because the execute procedure is only ever sent a single vector (the y-data). You don't get the x-data so can't do a real derivative.

My real desire is to do much more complex stuff. I thought I could get around this by defining a custom data class (subclassed from IDLitDataContainer) which in the simple derivative example would contain both the x and y vectors. My hope was that when a data operation is called that if I said it handled this new data class that the container would be sent to the operation and it would have both x & y. But it doesn't work like that -- instead the operation is sent the 'data' (the IDLitData's *self._pData) from the container, which is NOTHING since the data is stored
as separate objects in the container.

Is there any way to do this? My next thought was that I'd have to just subclass my operators from IDLitOperation instead of DataOperation, but this seems painful.

Thanks in advance,
Eric