
Subject: New Book on IDL programming
Posted by [Ronn Kling](#) on Thu, 18 Feb 1999 08:00:00 GMT
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I am looking for a few volunteers to test some code for a new book on IDL that I am writing. The book's title is "Application Development with IDL - Combining analytical methods with widget programming". I am specifically looking for people to test the code on HP-UX, IBM AIX, Linux, Solaris 2 and Macintosh. I will send you a disk and the latest draft of the book to work through. If you are interested please email me at ronn@rlkling.com and tell me what system you would like to test on, and how quickly you can get to the code. This will be on a first come, first served basis so don't delay!

The book is designed to teach intermediate users how to create widget programs that use their own analytical methods to do analysis. If you are tired of writing the same old style widget programs where everything is on the same panel and all event processing is done in one procedure then this book is for you.

Chapter 1 describes techniques to get rid of loops and using recursion to simplify IDL procedures and functions.

Chapter 2 covers using the cursor to outline regions on an image and then extracting information from the regions.

Chapter 3 uses active contours (snakes) as an example of using values entered from a GUI to study their effect on the analytical algorithm.

Chapter 4 uses simulated annealing to show how virtual procedures and virtual functions can be used to test new algorithms without re-writing the driver program.

Chapters 5 and 6 introduce objects and object-widget hybrids to make all of your programs object oriented.

Chapter 7 uses object oriented programming to create an application that finds watershed lines on an image. (Also called watershed segmentation.)

Chapter 8 uses the object-widget mix to create a compound color well widget that allows drag and drop color changes.

If you are interested please let me know.

Ronn Kling
