Writing Instrument Interfaces with xf/tk/tcl

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Tcl is an embedded control language written in C, running primarily under Unix and with an interpreted C look-and-feel. Tk is an X11 toolkit based on tcl. Xf is an applications builder for tk. The entire package is public domain and available from sprite.berkeley.edu. This paper discusses the use of tk to develop a user interface for OSIRIS, an infrared camera/spectrograph now operational on the OSU Perkins 1.8m telescope. The good and bad features of the development process are described.