

The Battle of the Event Loops

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The development of graphical user interfaces for R has been hampered by several obstacles. One obstacle is the fact that there are too many toolkits to choose from, but a generic issue is that all of the toolkits think that they are running the show, as does R itself. I shall review the way this was resolved for the `tcltk` package, including some of the weaknesses of that approach. Some alternatives may possible using multi-threading, but some care is needed to avoid deadlocking and reentrancy issues.

References

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