Can programming language influence correctness? Languages affect the way we think about problems:

"The tools we use have a profound (and devious) influence on our thinking habits, and, therefore on our thinking abilities?"

Dijkstra, 1982

- Additional experimental evidence:
 C130J software written in a variety of languages by a variety
- All certified to DO–178B standards (FAA).

of vendors.

- Then subjected to a major IV&V exercise by the MoD
- Significant, safety-related errors found in Level A certified
 - Residual error rate of Ada code on aircraft was one tenth that of code written in C.
 - Residual error rate of SPARK code (Ada subset) one tenth that of the Ada code.