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# EXPERIMENTAL EVALUATION OF VERIFICATION AND VALIDATION TOOLS ON MARTIAN ROVER SOFTWARE



Experimental Evaluation of  
Verification and Validation Tools  
on Martian Rover Software

NASA Technical Reports Server  
(NTRS), et al., Guillaume Brat

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 36 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. We report on a study to determine the maturity of different verification and validation technologies (V and V) on a representative example of NASA flight software. The study consisted of a controlled experiment where three technologies (static analysis, runtime analysis and model checking) were compared to traditional testing with respect to their ability to find seeded errors in a prototype Mars...

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