SOFTWARE FOR VERIFICATION OF PROGRAM CODING

Tool for static analysis of coding, allowing the use of its own coding rule libraries

Technological benefits

Une technologie OPEN SOURCE
- Open-source software, plug-in for Eclipse platform
- Configurable with your own libraries of rules
- Operationally validated by CNES's space programs

Invention overview

Free open source software for verifying program coding rules, using customizable libraries.

Technical specifications

French language

Computer languages: operationally usable for Fortran 77 and Fortran 90, being available for programs in Shell (see update on the website).
https://logiciels.cnes.fr/content/i-code-cnes

Commercial benefits

Faster and less risky software development
- The developed computer programs are robust and fullfil the best practices defined by the entity,
- Best practices for coding rules are capitalized in libraries and standardized within teams of programmers,
- Its use increases the rate of success of tests verifying that the coding of the program was carried out in the rules

TRL : 8 (2015)

Patented invention, available under

Potential applications

Program development and verification for embedded systems domains:

Space, Aerospace & Automotive.

For more information

CNES Valorisation :
+33 (0) 5 61 27 35 53
valorisation@cnes.fr