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Automotive software engineering: A systematic mapping study

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Highlight

- A comprehensive survey of literature on Automotive Software Engineering (ASE).
- 679 primary studies were identified, classified and analyzed with respect to five dimensions.
- Three most investigated areas include software architecture & design, testing and reuse.
- ASE seems to have high industrial relevance but is relatively lower in its scientific rigor.
- Validation & comparative studies are less represented and literature lacks practitioner-oriented guidelines.

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