

Reengineering a legacy/individual/family
software system into a software product line: a
Systematic literature review

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RQ:

1. What are the reengineering process/approaches/techniques/methods used in the software product line area?
2. What are the common activities/phases of these approaches?
3. Which artifacts are used?
 1. Which artifacts are used as input?
 2. Which artifacts are used as output?
4. What kind of systems are used to evaluate these approaches?
5. What are the research gaps and trends in this field?

String base:

("software product line" OR "software product-line" OR "software-product-line" OR "product family" OR "products families" OR "product-family" OR "product-families") AND (refactoring OR reengineering OR restructuring OR re-engineering OR re-structuring)

IEEE

(("software product line" OR "product family" OR "products families" OR
"product-family" OR "product-families") AND (refactoring OR reengineering OR
restructuring))

52 papers

ACM:

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((acmdlTitle("software product line" "software product-line"  
"software-product-line" "product family" "products families" "product-family"  
"product-families")) OR (recordAbstract("software product line" "software  
product-line" "software-product-line" "product family" "products families"  
"product-family" "product-families")))) AND ((acmdlTitle(refactoring reengineering  
restructuring re-engineering re-structuring) OR recordAbstract(refactoring  
reengineering restructuring re-engineering re-structuring)))
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635 papers

Science direct

TITLE-ABSTR-KEY("software product line" OR "software product-line" OR "software-product-line" OR "product family" OR "products families" OR "product-family" OR "product-families") and TITLE-ABSTR-KEY(refactoring OR reengineering OR restructuring OR re-engineering OR re-structuring)

46 papers

Springer

AB(("software product line" OR "software product-line" OR "software-product-line"
OR "product family" OR "products families" OR "product-family" OR
"product-families") and (refactoring OR reengineering OR restructuring OR
re-engineering OR re-structuring))

33 papers

Scopus

TITLE-ABS-KEY ("software product line" OR "software product-line" OR "software-product-line" OR "product family" OR "products families" ' OR "product-family" OR "product-families") AND TITLE-ABS-KEY (refactoring OR reengineering OR restructuring OR re-engineering OR re-structuring) AND (LIMIT-TO (SUBJAREA , "COMP"))

21 papers

Compendex

((("software product line" OR "software product-line" OR "software-product-line"
OR "product family" OR "products families" OR "product-family" OR
"product-families") WN KY) AND ((refactoring OR reengineering OR
restructuring OR re-engineering OR re-structuring) WN KY))

135 papers

- Total de 922 papers

