Managing technical debt through software metrics, refactoring and traceability
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Table A2.7: Research methods used for studying the most frequently traced pairs of software artifacts

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BIBLIOGRAPHY


Bibliography


Bibliography


USA, 313-313.


IEEE Computer Society, 52-60.


Marcus, A. Xie, X., and Poshyvanyk, D. When and how to visualize traceability links?. In the 3rd International Workshop on Traceability in emerging forms of software engineering (TEFSE), ACM, 56-61.


Ng, T.H., Cheung, S.C., Chan, W.K., and Yu, Y.T. (2007). Do maintainers utilize de-
ployed design patterns effectively? 29th International Conference on Software Engineering (ICSE), IEEE, 168-177.


Silva, F.S. , Furtado Soares, F.S., Lima Peres, A., De Azevedo, I.M., Vasconcelos,


Bibliography


