RunSoC: An Allocation Framework for Automotive Software Components to Semiconductor Design Partitions in System-on-Chips

Performance Evaluation of the Rapid Review performed acc. to Cartaxo et al. [1]:

Performance indicators for literature reviews acc. to Mourão et al. [2]:

$$Precision = \frac{Retrieved \cap Selected}{Retrieved}$$

$$Recall = \frac{Retrieved \cap Selected}{Selected}$$

$$F - measure = 2 \times \frac{Precision \times Recall}{Precision + Recall}$$

Performance indicators within our rapid review study:

$$Precision = \frac{22}{192} \approx 11.46\%$$

$$Recall = \frac{22}{22} = 100\%$$

$$F - measure = 2\,0 \times \frac{11.46\% \times 100\%}{11.46\% + 100\%} \approx 20.56\%$$

[1] Cartaxo et al., Rapid reviews in software engineering, in: Contemporary Empirical Methods in Software Engineering, Springer, 2020, pp. 357–384, https://doi.org/10.1007/978-3-030-32489-6_13.

[2] Mourão et al., On the performance of hybrid search strategies for systematic literature reviews in software engineering, Information and software technology 123 (2020) 106294, https://doi.org/10.1016/j.infsof.2020.106294.