

Software citation, landing pages, and the swMATH service

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The FORCE11 Software Citation Working Group has published the Software Citation Principles (SCPs) 2016. A citation standard would be very useful for both software authors and users, but its implementation is under discussion and has not lead to an accepted citation proposal.

The swMATH portal (<http://www.swmath.org>) is a comprehensive information service for mathematical research software and related objects.

It contains information on 19.000 software packages with 240.000 references in 140.000 scientific publications. A unique and novel feature of

swMATH besides its scope is the so-called publication-based approach, which uses the information of mathematical articles and their references

for identifying software and extracting relevant information about them. To improve its precision and quality, a proposal for software citations

with version specification has been developed. The proposal and its possible use in swMATH will be presented.