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A computer program for calibration of bridges RLC and RLC models

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Abstract

"Calibration of LCR meters and LCR standards" is an application software written in Delphi programming language. Its main objective is to facilitate the calculations and to generate all required documents. Regarding the scope of the application, it serves as a useful tool for the specific LCR measurement worksites. The calculation algorithms are adapted to the procedures and characteristics of the measurement worksites. All information, namely the proper values of the standards with their measurement uncertainty, the temperature coefficients, the rest of necessary data and "Calibration Certificates" are introduced to the defined application arrays located on the server. The application can be implemented on several worksites. All computers with the installed application connect to the server, from which necessary data are taken while budgets and calculation results are saved in the automatically - generated folders.

Bibliography

- [1] Procedura ogólna P/OUM3/17 Szacowanie niepewności pomiaru.
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- [4] Procedura PW/W5/06 Wzorcowanie wzorców indukcyjności i pojemności elektrycznej.
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