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Labanatory: a computer program to analyse dance

'Labanatory' is a computer program to analyse dance with Labanotation.

The application is built on PC-Windows-AutoCAD architecture. It introduces some new AutoCAD commands and overrides the AutoCAD menu. The first part of the commands is data input related commands which the user can operate on a file, a staff or a sign, that is, elements of digitised Labanotation. The second part of the commands is the special searching commands which are capable to look for the pattern of a special question-staff in another staff examining where it fits. While in a simple search the user looks for one pattern, which may contain more than one sign, in a complex search he can connect several question-staves with OR and/or NOT logical operators. Additionally, the user can use predefined wildcard (joker) signs as OR search (for example a narrow wildcard sign means any degree of narrow signs in Labanotation). To find subpatterns (motifs) the user can apply filters like symmetry or measure line relationship according to the so-called found parameters.

The 'Labanatory' software is under development. In the future it is necessary to cover all the signs of Labanotation, to make a comfortable user interface, to produce statistics reports. Based on the existing search functionalities it will be possible to develop either automated algorithms to compare and classify motifs or to check spelling of Labanotation too.

PowerPoint presentation is requested.