Abstract

Multivariate analysis for battery optimisation and testing

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A variety of multivariate techniques, available in specialist software packages are introduced and reviewed. The main techniques of use to battery manufacturers and researchers are:

- principal component analysis (PCA);
- cluster analysis;
- prediction using principal component regression (PCR) and partial least squares (PLS).

In addition to introducing each of the techniques, examples of their application are drawn from recent literature reports and from previously unpublished work by the author. © 2001 Published by Elsevier Science B.V.

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