

ABSTRACT

METHODS AND APPARATUS FOR AUTOMATED PREDICTIVE DESIGN SPACE ESTIMATION

Described are computer-based methods and apparatuses, including computer program products, for automated predictive design space estimation. A design space of input factors and output responses is estimated for a physical process. Data is received for one or more input factors for a physical process, one or more output responses for the process, and criteria. For each of the one or more input factors, a calculated range of input values within the corresponding experimented range of input values is calculated. A modified range of input values is calculated for each of the one or more input factors. A design space estimate is predicted based at least on the modified ranges of input values, wherein the modified ranges of input values each comprise a largest region of variability for one or more of the input factors where the criteria are fulfilled.

No Suitable Figure