Electrical Parameters

The approach of generating electrical parameters and making predictions can effectively address the issue of insufficient electrical parameter samples, thus enabling a more precise prediction ...

Previously, our team proposed the performance analysis of flexoelectric structures with the parameter uncertainties through using the quasi-Monte Carlo [48]. However, in practical ...

Doping is a critical in piezoelectric base materials used as sensors or energy harvesters. It has a significant effect in determining the output parameters of an energy harvester. This paper ...

Rosa hybrida is a globally important ornamental species, but its economic and aesthetic value is often compromised by rose black spot disease (Diplocarpon rosae). Effective monitoring and ...

Given the following parameters for the circuit below the transfer function relating the current as an output to the input is R=100ohm, L=5H, C=1F Select one: a. s 5 s 2 +100s+1 b. 15s 2 +100s-1 ...

Experiments on a self-built Micro-Electrical Connector Defect (MECD) dataset, GFD-Net achieves a precision of 97% with only 2MB parameters, showcasing its efficiency and accuracy for real ...

In recent years, the use of electrical impulses in home gardens has gained popularity among hobbyists and professionals alike. Electrical stimulation can promote plant growth, enhance ...

??????????????????????????????(??????????)????????????????????????????? ????????? ...

The prediction of the operation state of rod pumping unit is one of the important issues in rod pumping engineering. The electrical parameters of the driving motor are gradually becoming ...

In the era of Industry 4.0, monitoring electrical parameters in a smart factory is more than just a best practice; it is a necessity. By focusing on power consumption, voltage levels, current flow, ...

Furthermore, many processing parameters in conjunction with the extraction procedure may considerably influence both the extract yield and antioxidant efficacy [29]. The essential PEF ...

The ARX-Laguerre technique provides a compact and efficient approach to system identification for engineering applications. It builds on the classical Auto-Regressive with eXogenous input ...

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Electrical Parameters

Dual three-phase induction motor drives are gaining attention in applications where reliability is a critical concern, such as automotive. Although the dual-stator winding reduces the impact of ...

????????????????40 Hz~1 kHz???????????? (???????)?????????????????????????? ??? (%?????):???? 0?200%?????;???0.1%??? ...

High-voltage unipolar square wave pulsed electric fields (PEFs) can cause cell membrane rupture and cell death during a process termed irreversible electroporation (IRE). PEF effects are ...

Electric Potential Difference The electric potential difference between points A A and B B, VB -VA V B V A is defined to be the change in potential energy of a charge q q moved from A A to B B, divided by the charge. Units of ...

And the electrical parameters can be easily collected for a long time. However, due to the difficulty in obtaining sufficient fault electrical parameter samples, intelligent methods find it difficult to ...

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