

Advancements in the development of an Atmosphere-Breathing Electric Propulsion (ABEP) system at the University of Stuttgart's Institute of Space Systems (IRS) highlight the need to ...

Based on Fick's law of diffusion, a loss compensation model for air reverse-circulation sampling in surface wells is constructed. This model is validated by a granular coal variable-pressure ...

BMRCL revised tree loss estimates for Metro Phase 3 to 6,800. Activists demand transparency, data on tree impact, and survival rates. EIA report is nearing completion, expected by October. ...

Hair loss occurs in the next growth cycle The hair growth cycle consists of four phases: anagen, catagen, telogen, and exogen. The telogen phase is the resting phase, which typically lasts ...

In general, the existing methods compensate for duty ratio loss by correcting the phase shift in the drain-source voltage, relying on external passive circuits. The accuracy of compensation is ...

Deep learning-based hearing loss compensation (HLC) seeks to enhance speech intelligibility and quality for hearing impaired listeners using neural networks. One major challenge of HLC is ...

Request PDF | Phase compensation enables the generation of near-field perfect structured light | The near-field perfect structured light is proposed using a compensating phase technique. The ...

A simple phase current reconstruction method with sampling error compensation for open-end-winding permanent magnet synchronous motor (OEW-PMSM) is proposed. Compared with ...

Furthermore, real-time monitoring of load phase changes is conducted through online gradient detection, and a gradient-based load phase adjustment model is constructed. Additionally, an ...

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