

**Adaptively under sampled, circular histogram based image processing for rotation invariant coin detection**

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**Analysis of battery charger topologies for an electric vehicle**

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**Analysis of forgetting in a learning environment**

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**Assessment of algorithms for detecting an arterial pulse pressure wave equiphase point**

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**Assessment of buck converter powered by current or voltage sources for LEDs luminary**

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**A benchmark suite for evaluating the efficiency of test tools**

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**Constraint-based test scenario description language**

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**A continuous output current measurement circuit for switching step down DC-DC regulator with a single sensing FET**

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**Cross-correlation-based image matching of coins**

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**Developing e-learning functionalities on electrical bioimpedance for the biomedical electronics course**

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**Development of constant-power source for arc welding**

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**Development of quantum cascade laser simulation software**

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**Development of the model for the optical monitoring of urea in spent dialysate**

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**Distance encoding waves for identification of lighting failures**

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**Experimental analysis of extended boost quasi-Z-source inverters**

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**Experimental analysis of the dynamic performance of Si, GaAs and SiC diodes**

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**Experimental study of surface distortions in silicon carbide caused by diffusion welding**

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**FPGA control of the neutral point clamped quasi-Z-source inverter**

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**Identification of industrial water boiler for model predictive control of district heat plant**

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**A method of real-time mobile vehicle identification by means of acoustic noise analysis implemented on an embedded device**

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**Numerical simulations for reverse recovery process investigations of LPE GaAs power diodes**

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**Physics related modeling of power LEDs**

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