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## CONTROL OF SINGLE-PHASE POWER ACTIVE FILTERS

**ABSTRACT** *This paper deals with three methods of determination of reference current for control of single-phase active filters. All these methods are based on the idea that an ordinary single-phase (system) quantity can be complemented by a fictitious second phase so that both of them will create an orthogonal and orthonormal system.*

**Keywords:** *single-phase parallel active filter, Fourier analysis, reference current determination, moving average method*