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## ANALYSIS OF SOME SOLUTIONS FOR DIMINISHING THE HARMONICS AND IMPROVING THE POWER FACTOR IN AN ELECTRIC STEEL SHOP

BY

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**Abstract.** The paper presents some solutions for diminishing the current harmonics and improving power factor in an electric steel shop. For diminishing the current harmonics is proposed L-C passive filters for harmonics 3 and 5 and to improve power factor can be used synchronous compensator.

**Keywords:** current harmonics, power factor, L-C harmonics' filters.