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“Determination of Optimum Spectral Ranges of Flame Radiation Control by Using Compensation Method of Optical Noise Suppression”,

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Abstract – The article describes features of determine optimum spectral ranges of flame radiation control when using a compensation method of optical noises suppression. The criterion of optimality by determination of optimum spectral ranges of a flame radiation control taking into account technical realization of a compensation method of optical noises suppression is formulated. Photodetectors are chosen and their applicability for control of a flame radiation with use of a compensation method of optical noise suppression is analysed.

Index Terms – flame radiation, optical noises, compensation method, spectral range