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Conception of Passive Optonavigational System

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Thermovision is known physical phenomenon based on emission of electromagnetic fields by each body with temperature above than absolute zero. This emission is called, for the sake of the length of the wave, infrared emission and for the sake of its property – thermoemission. Intensity of thermoemission is proportional to the temperature of the body. So, during measurement of infrared emission of the body there is possible to indirect measure its temperature.
Characteristic application of the thermovision can be usage of thermoemission radiated by moving object for its localization. The conception of passive navigational system working on the basis of thermovision cameras has been presented. There has been assumed, that at least two cameras placed on the land are used for detection and tracking objects emitting infrared waves.