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Variable resolution in biological and computer vision

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The investigations of vision physiology and creation of computer vision objectively are the interconnected areas of human activity. One of the principal differences between the biological vision and the computer vision is variability of the receptive fields excitation zones. The systemological analysis of the neuro-physiology sources let to offer the new model of the neuron functioning.

If the variables resolution will be used in computer vision, the complexity of the tasks to be solved and the quality of visual information processing and can be improved.