

## Transfer Function of a Geometrical Neuronal Configuration of the Cerebellar Granular Layer

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An attempt is made to analyse the transfer function of the neuronal information pre-processing system of the cerebellar granular layer.

First the geometrical model of the regular neuronal arrangement is presented. Then the transfer function of the model is analyzed and illustrated by a pattern transformation method.

In conclusion it can be stated that the granular layer owing to its basic functional and structural features (i.e. its local averaging procedure and the structural redundancy) may have an error suppressing role increasing the reliability of the mossy fiber input channel of the cerebellum.