

superluminal sources of electromagnetic radiation in astrophysics

Monday 30 October 2023 21:40 (20 minutes)

The purpose of my research work is a computational and theoretical justification of the design of a laboratory source for modeling astrophysical phenomena associated with superluminal EMR sources.

An

elliptical emitter based on a photodiode with laser initiation was chosen as the basis for a generator that would allow us to simulate the phenomena of interest

to us. [RF Patent No. RU2738959C1. Generator of electromagnetic pulses-
sov. Bukin V. V., Garnov S. V., Dolmatov T. V., Terekhin V. A., Trutnev Yu. A.

№ 2020117632. Announced on 05/15/2020. Published on 12/21/2020. Byul. No. 36.]

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