Journal of Physics: Conference Series 2014 vol.567 N1

Research on influence of temporary distribution of power of laser radiation with a hybrid processing on a depth heat affected zone

Bashmakov D., Israphilov I., Galiakbarov A. Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© Published under licence by IOP Publishing Ltd. Investigations on the influence of the temporal distribution of the laser radiation power per pulse of hybrid processing on a depth heat affected zone. Recommendations on use of specific distribution of the laser radiation power in the combined laser and plasma processing for decrease in energy consumption.

http://dx.doi.org/10.1088/1742-6596/567/1/012022