

EXPERIMENTAL RESEARCHES OF THE DECAY
COEFFICIENT OF NONIDEAL PLASMA
PRODUCED AT PULSED DISCHARGES
IN WATER

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S u m m a r y

The decay coefficient of nonideal plasma (NP) produced at pulsed discharges in water (PDW) has been measured experimentally in one of the discharge modes, and the results obtained have been compared with those calculated theoretically. The revealed discrepancy between them was found to be of 5 to 6 orders of magnitude, with lower values corresponding to the experimental procedure. The available theoretical models cannot provide a satisfactory agreement with experiment, so that the further development of the model describing the recombination in NP is needed.