

Influence of the medium on the fluorescence of copper vapor laser pumped rhodamine 6G dye: addendum

Nidhi Sharma,^a N. Singh,^b H. S. Vora,^b and Sneh Lata Goyal^a

^a*Department of Applied Physics, Guru Jambheshwar University, Hisar–125001, Haryana, India*

^b*Raja Ramanna Centre for Advanced Technology, Indore–452013, M P, India*

nidhi_sharma2004@rediffmail.com

Abstract: The average laser power, and pumping geometry, used in recent experiments on copper vapor laser excitation of rhodamine 6G in ethylene glycol is given.

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Recently Sharma *et al.* [1, 2] reported on the influence of the medium on the fluorescence of rhodamine 6G dye, dissolved in ethylene glycol, under the excitation of copper vapor laser (CVL) radiation. The studies were performed under the stationary regime [1] and the dynamic regime [2]. The stable CVL used in these experiments delivered an average power of 5 W, at a pulse repetition frequency of 5.6 kHz, on the uncoated cell window of the dye region. The geometrical cross section of the excitation was 25 mm × 0.5 mm.

References

1. N. Sharma, N. Singh, H. S. Vora, and S. L. Goyal, *Opt. J.* **1**, 13 (2007).
2. N. Sharma, N. Singh, H. S. Vora, and S. L. Goyal, *Opt. J.* **1**, 18 (2007).