

Title	Photocapacitive effect in rhodamine-B
Sub Title	
Author	小松, 忠紀(Komatsu, Tadanori)
Publisher	慶應義塾大学藤原記念工学部
Publication year	1967
Jtitle	Proceedings of the Fujihara Memorial Faculty of Engineering Keio University (慶應義塾大学藤原記念工学部研究報告). Vol.20, No.81 (1967. ) ,p.264(88)- 264(88)
JaLC DOI	
Abstract	
Notes	Summaries of Doctor and Master Theses
Genre	Departmental Bulletin Paper
URL	<a href="https://koara.lib.keio.ac.jp/xoonips/modules/xoonips/detail.php?koara_id=KO50001004-00200081-0088">https://koara.lib.keio.ac.jp/xoonips/modules/xoonips/detail.php?koara_id=KO50001004-00200081-0088</a>

慶應義塾大学学術情報リポジトリ(KOARA)に掲載されているコンテンツの著作権は、それぞれの著作者、学会または出版社/発行者に帰属し、その権利は著作権法によって保護されています。引用にあたっては、著作権法を遵守してご利用ください。

The copyrights of content available on the KeiO Associated Repository of Academic resources (KOARA) belong to the respective authors, academic societies, or publishers/issuers, and these rights are protected by the Japanese Copyright Act. When quoting the content, please follow the Japanese copyright act.

## Photocapacitive Effect in Rhodamine-B

Tadanori KOMATSU\*

Large change was observed in the capacity of evaporated thin film of rhodamine-B sandwiched between NESA glass and aluminium electrode upon illumination by xenon lamp. Measurement of the voltage dependence of the capacity revealed the existence of Schottky barriers at the two contacts between rhodamine-B and electrodes. It is concluded from the analysis of the equivalent circuit that the photocapacitive effect in rhodamine-B can be more satisfactorily explained by considering the contribution from the photodielectric effect in addition to the photoconductive effect.

---

\*小 松 忠 紀