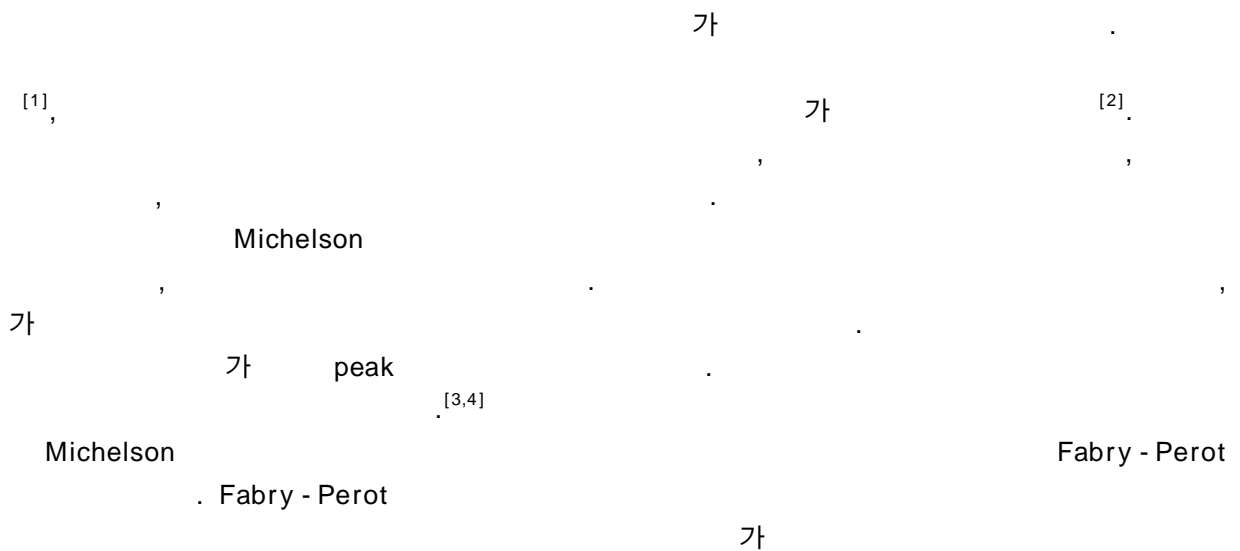


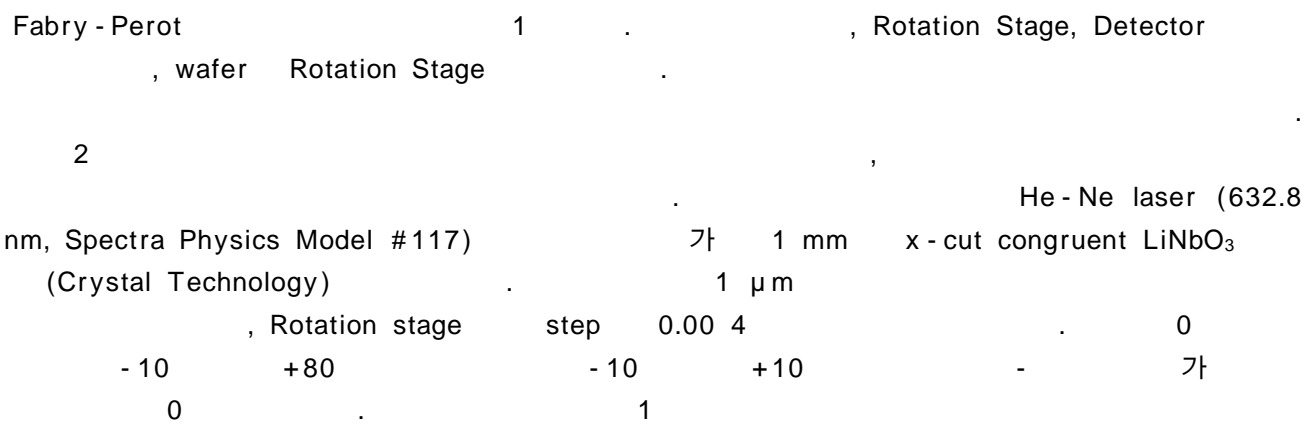
Measurement of Birefringence in Nonlinear Crystal by Inteferometry

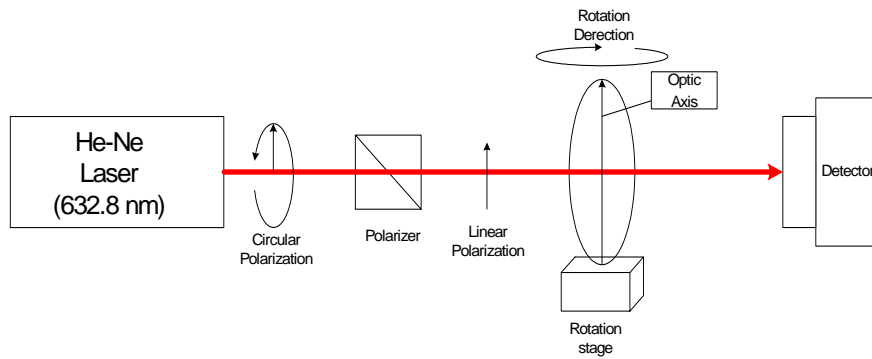
mach@pusan.ac.kr

1.



2.

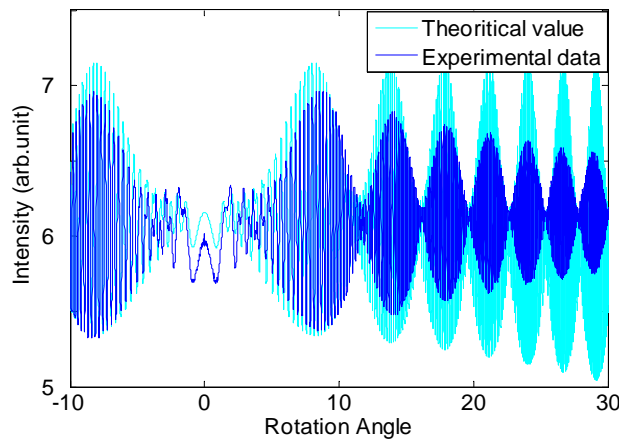




1

3.

	$n_a = 1.0004,$	$1.033 \text{ mm},$	632.8 nm	
fitting		$2.2863 \pm 0.0003,$	2.2040 ± 0.0003	
Sellmeier's eq		2.2865	2.2038	10^{-3} 가
45		2		
$\Delta n = 0.083$	$\Delta n = 0.0827$	10^{-3}	가	



2 45

[1] G. P. Agrawal, "Fiber-optic Communication System", 2nd ed. (John Wiley & Sons, 1997), Chap.2.
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 [3] M. S. Shumate, "Interferometric measurement of Large Indices of Refraction," Appl. Opt. **5**, 327 (1996)
 [4] John F. H. Nicholls, Brian Henderdon, and Bruce H. T. Chai, "Accurate determination of the indices of refraction of nonlinear optical crystal," Appl. Opt. **36**, 8587 (1997)