



2009 Physics Camp

Aug. 10 - 11 2009
Light, Lasers
and Optics

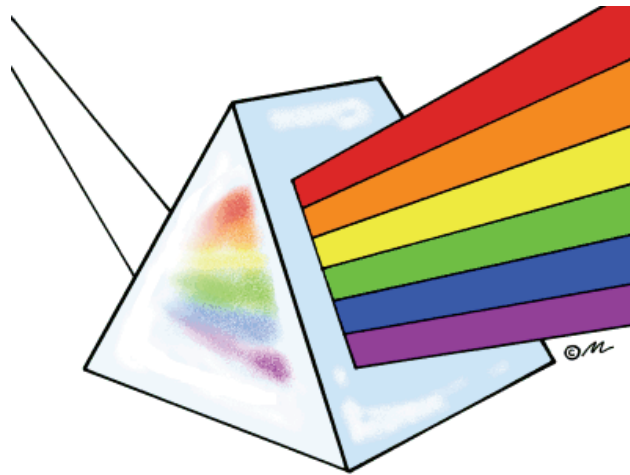


Physics is FUN!

IPFW Department of
PHYSICS

Tel: 260-481-6306

<http://www.ipfw.edu/physics>



What's wrong with this picture?

Sample Activities

- Laser safety
- Refraction and “spear-fishing” (spears not included!)
- Optical obstacle course
- Make a Kaleidoscope (and understand how it works!)
- Optical illusions

IPFW Physics Camp

IPFW Physics Department
2101 Coliseum Blvd E.
Fort Wayne IN 46805

Phone: 260-481-6306
E-mail: masters@ipfw.edu
<http://www.ipfw.edu/physics>

Registration Form (Payment must accompany this form.)

Name _____ \$S. No. (last 6 digits) _____

Address _____

City _____ State _____ Zip _____

Telephone: (Day) _____ (Evening) _____

Course Title **IPFW Physics Camp** Course No. **09UPER249** Course Fee: **\$25**

Checks payable to IPFW. Check No. _____

If paying by credit card, please complete: VISA MasterCard Discover Is this a company card? Yes No

Card No. _____ Amount \$ _____ Expiration Date _____

Signature _____

Use my e-mail to keep me updated on course information. My e-mail address is _____

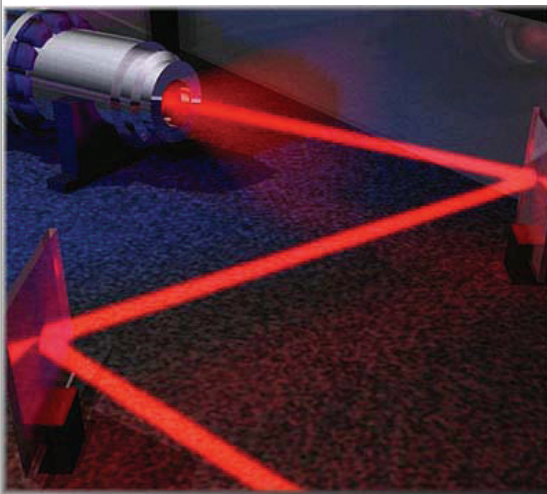
Register online: learn.ipfw.edu
or call:

Fort Wayne—260-481-6619
Warsaw — 574-269-6562
Toll Free— 877-527-5787

or mail: Send this completed registration form with payment to IPFW Division of Continuing Studies, 2101 E. Coliseum Blvd, Fort Wayne, IN 46805-1499

If, for any reason, my fees and charges are not paid by a third party, I promise to pay to the order of IPFW, containing States the full amount of the balance due upon request. It is understood that costs incurred in the collection of a delinquent account, including collection and attorney fees, shall be added to the balance of the delinquent account.

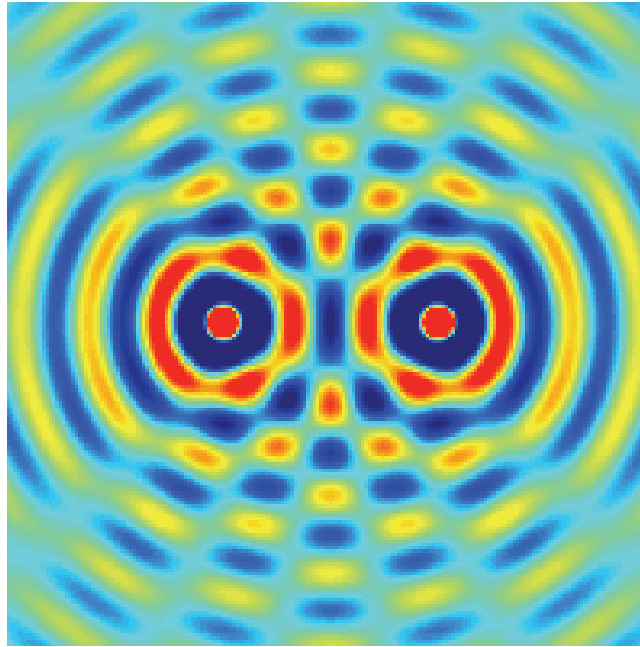
Student Signature _____



For the prospective camper

In this camp you will explore light, lasers and optics. You will study the nature of light, optics, and how lasers work. You will use optics to guide a laser beam through an optical obstacle course. Learn how to build optical instrumentation that can be used for your own investigations and experiments! Camp will be led by IPFW Physics Professors.

Physics is FUN!



The camp is run by faculty of the IPFW Physics Department.

Timothy T. Grove, Ph.D.

David P. Maloney, Ph.D.

Mark F. Masters, Ph.D.

Gang Wang, Ph.D.

The IPFW Physics Camp is for students between the ages of 14 and 16. The maximum enrollment for the camp is 10. The camp activities will run for two days, August 10-11. Activities will take place between 9:00 AM and 3:00 PM with drop off starting at 8:45 AM and pickup starting at 3:00 PM. Students will need to bring a lunch, a simple calculator, and pencils.

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