

## Crown 85 Report

### Eye Movement and Inflow-Outflow Theory

Motion of an image on the retina occurs both

- i. when the eye is stationary and an object in the outside world is moving and
- ii. when the eye is moving and the object in the outside world is stationary.

We can clearly tell the difference between these situations. Two alternatives for how the visual system distinguishes between these cases are the inflow and outflow (corollary discharge) theories. Understand the basis of the inflow and the outflow theories and how simple experiments indicate which is correct.

Some useful WWW sites:

[HarrisLecture](#)

[excerpt from Wandell, Foundations of Vision](#)

**STUDENT SHOULD MAKE APPOINTMENT WITH PROF. SWITKES TO DISCUSS REPORT  
(INCLUDING EXPERIMENTS) AND OBTAIN POWERPOINT MATERIALS TAKEN FROM:**

[http://www.yorku.ca/harris/ppt\\_files/2220\\_lecture\\_7.ppt](http://www.yorku.ca/harris/ppt_files/2220_lecture_7.ppt)