

Phys102 Assignment Cover Sheet

First Name: _____ Last Name: _____ Mark: _____

Student ID: _____ Date: _____ Section: _____

Phys102 Written Assignment #8

Due Wed/Thur Dec 1/2, by the end of your tutorial.

Textbook (Giancoli, SFU edition), page 947, question #19.

- 19.** Two 0.010-mm-wide slits are 0.030mm apart (center to center). Determine (*a*) the spacing between interference fringes for 580 nm light on a screen 1.0 m away and (*b*) the distance between the two diffraction minima on either side of the central maximum of the envelope.