## Diffraction and Interference

## Expariment Pata

Midwel Goers, Anton Hause

Tutor: M. Fushitani

Lasor wave length 2 = (632,8 ± 0,1) nm

Assignment ? Hease rement of grating specifications with microscope calibration!

Zero Q 3,72 units 3 mm Q 9,64 units

=> 1 unit = 0,507 mm ± 0,003 mm
measurements of specs
right slit left boardy @ 5,05 mi

right shit left boarder @ 5,05 units } => 9
left shit left boarder @ 5,55 units } => 9

lest slit right boarder @ (5,46±0,02) with

Lo for all weasure -

(100±012) cm
(431,5±10) cm

Scale mea sured: 0,5 mm

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ν	x (mm)
01235678944221	204±2 339±3 427±4 535±4 648±4 640±5 767±5 837±5 837±5 837±5 837±5 837±5 837±5 837±5 837±5 837±5

