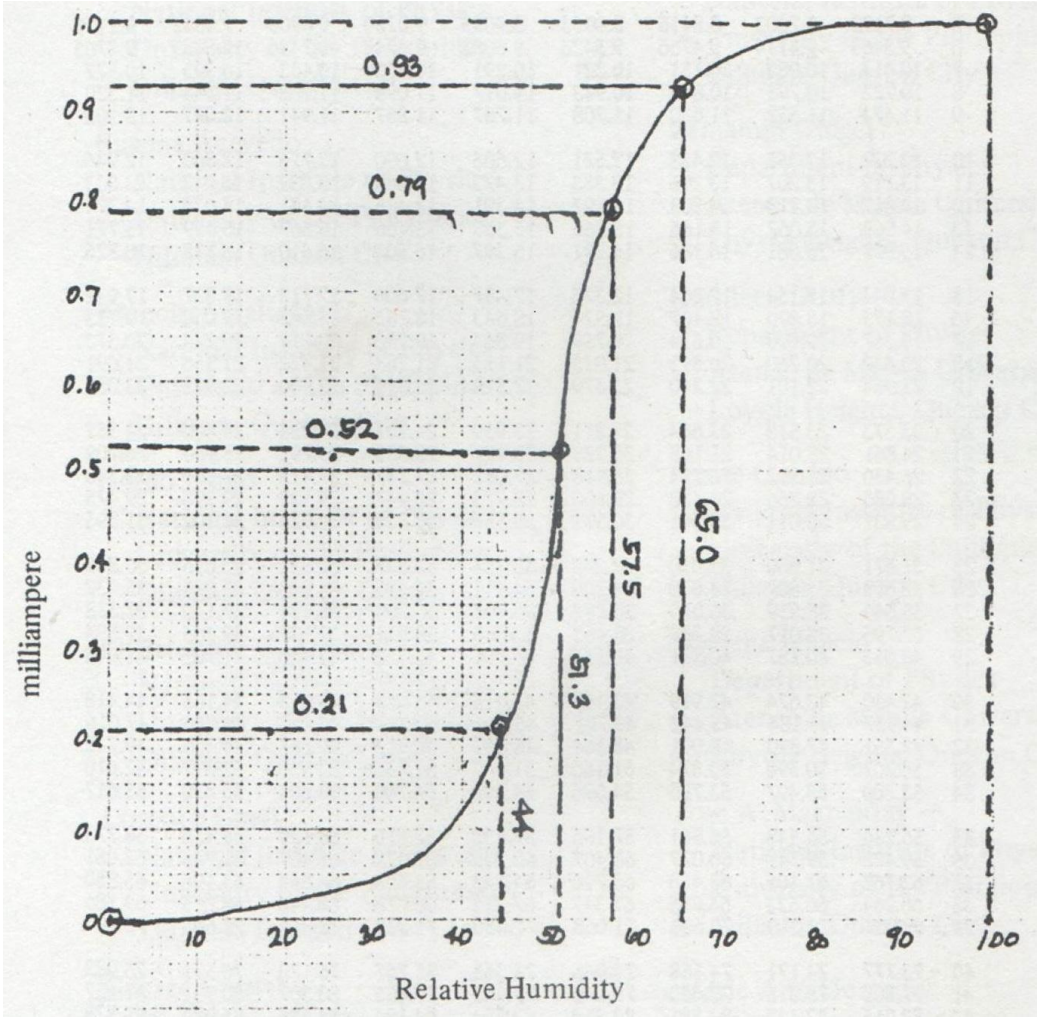
Extracting values from graphs

Practical Image Processing 2

Maricor Soriano


1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0.93
0.79
0.52
0.21
44
51.3
57.5
65.0
10
20
30
40
50
60
70
80
90
100
milliampere
Relative Humidity

First Edition (AMS 1). 1944; revised (AMS 3), 1944.

Prepared under the direction of the Chief of Engineers by the
my Map Service (AM), U. S. Army, Washington, D. C., 1944.
ompiled from USC&GS Topographic Field Survey Sheets, 1:20,000,
4A, 1901; USC&GS Chart No. 4464, 1:30,000, 1910, (Special printing, 43-8/18);
ap of Tacloban, 1:5,040, 1904; Development plan of Tacloban,
2,000, Director of Public Works, 1928. Vertical Mosaic, 1:20,000, Prior to 1940;
ertical Photograph, Prior to 1940.

LEGEND

ain Road
econdary Road
ail
eld Lines
Brushwood
Wooded areas, unclassified
Orchard

Scale 1:5,500 (Approx.)

0 1/4 1/2 3/4 Mile
0 500 1000 Yards

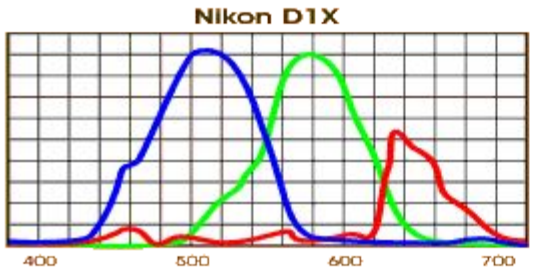
POLYCONIC PROJECTION
APPROXIMATE LUZON DATUM
PROJECTION AND GRID APPROXIMATE
FIVE HUNDRED YARD PHILIPPINE POLYCONIC GRID
RELIEF SHOWN BY FORM LINES

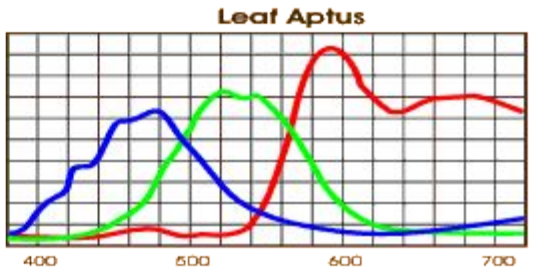
NOTE: OFFICERS USING THIS MAP WILL MARK HEREON CORRECTIONS AND ADDITIONS WHICH COME TO THEIR ATTENTION AND MAIL DIRECT TO THE CHIEF OF ENGINEERS, WASHINGTON, D. C.

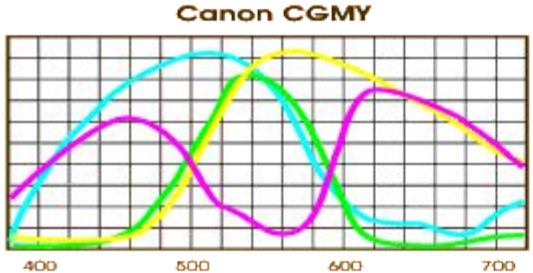
0°35' OR 10 MILS
0°45' OR 13 MILS

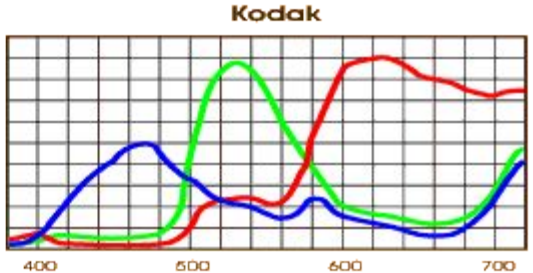
APPROXIMATE MEAN DECLINATI
FOR CENTER OF SHEE
ANNUAL MAGNETIC CHANGE 1'

G
8064
T118
1944
U5
PCL MAP


Nikon D1X
400
500
600
700


Leaf Aptus
400
500
600
700

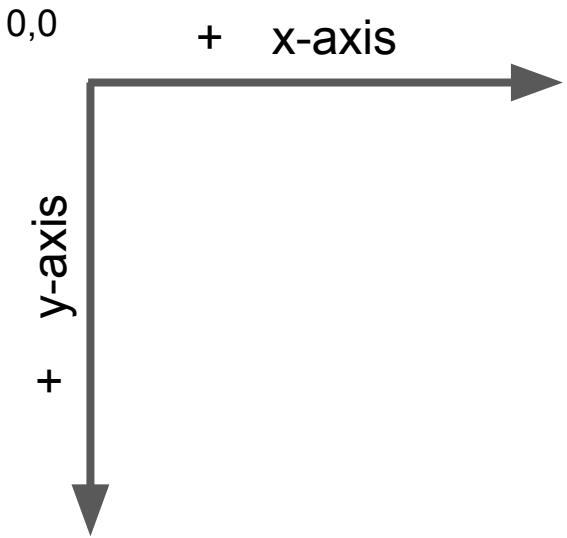

Canon CGMY
400
500
600
700


Kodak
400
500
600
700

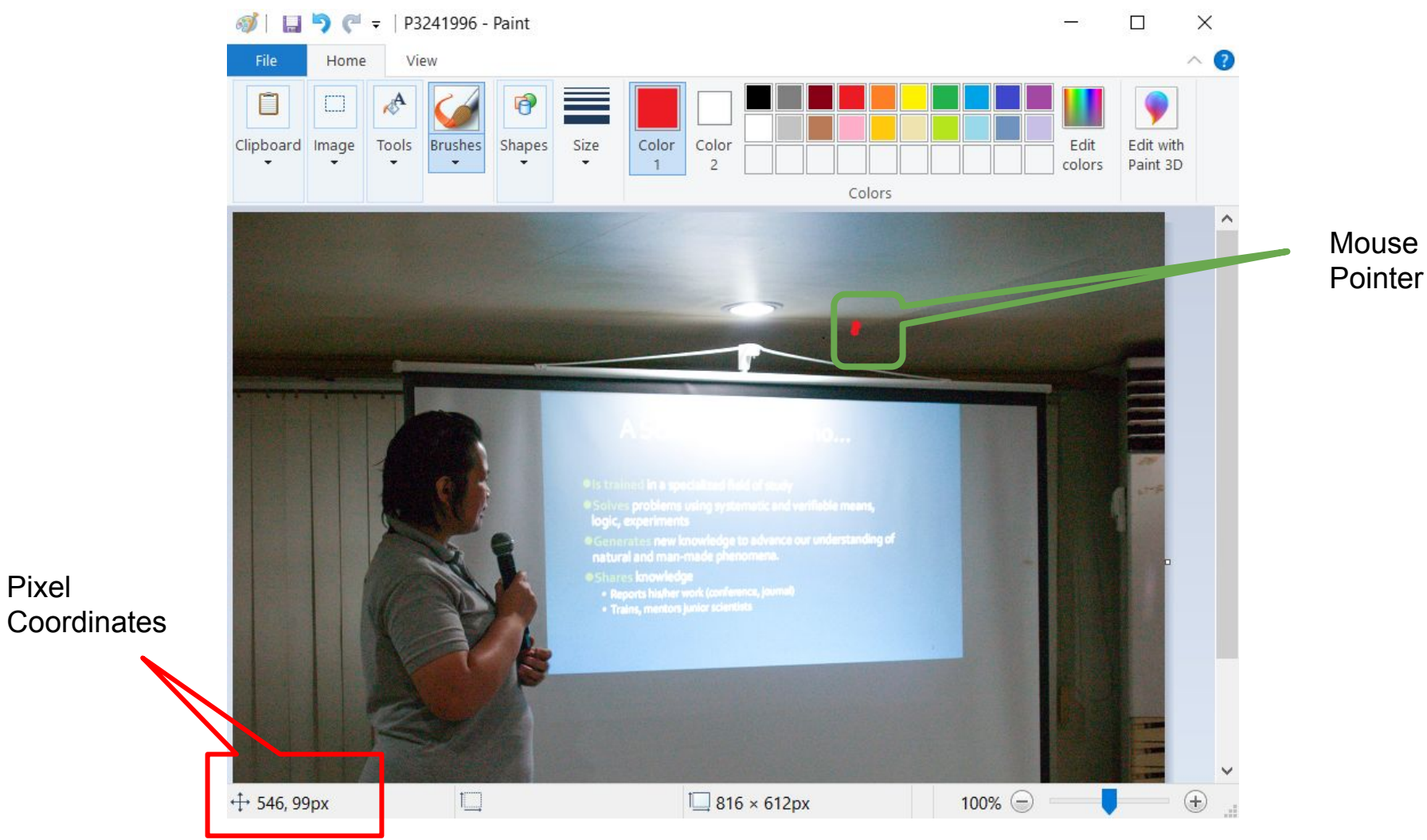
We can derive a relation between pixel location and physical value

- Get axis image coordinates and relate to physical variable along that axis.
- Do for each axis.

Image Coordinate System

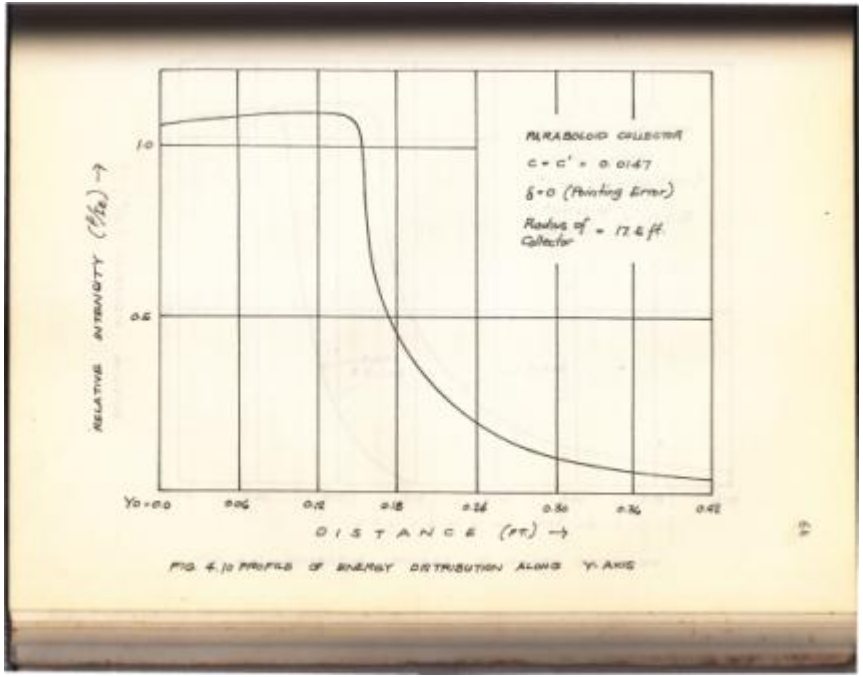
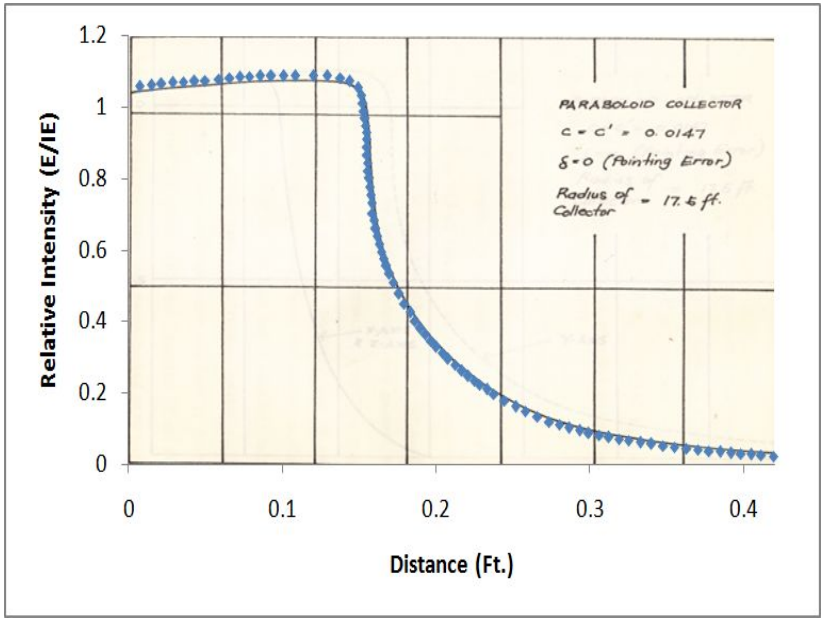


- Origin at top left
- Positive y-axis is downwards.


P3241996 - Paint
File
Home
View
Clipboard
Image
Tools
Brushes
Shapes
Size
Color 1
Color 2
Edit colors
Edit with Paint 3D
Colors
Mouse Pointer
Pixel Coordinates
546, 99px
816 × 612px
100%

Objective of Activity 2

From this



To this