



## Image Segmentation Algorithms are based on:

Similarity Principle (Region Approach)

Objective is to group pixels based on common property to extract a coherent region

Discontinuity Principle (Boundary Approach)

Objective is to extract regions that differ in properties like \_\_\_ intensity, color, texture etc.

## Definition of Image Segmentation

## An image can be portioned into many regions R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>...R<sub>n</sub>

2	R <sub>1</sub>	R <sub>21</sub>	R <sub>22</sub>
	R <sub>3</sub>	F	24