No.8

Seminar I on Agricultural Process Engineering
農産加工学演習　I

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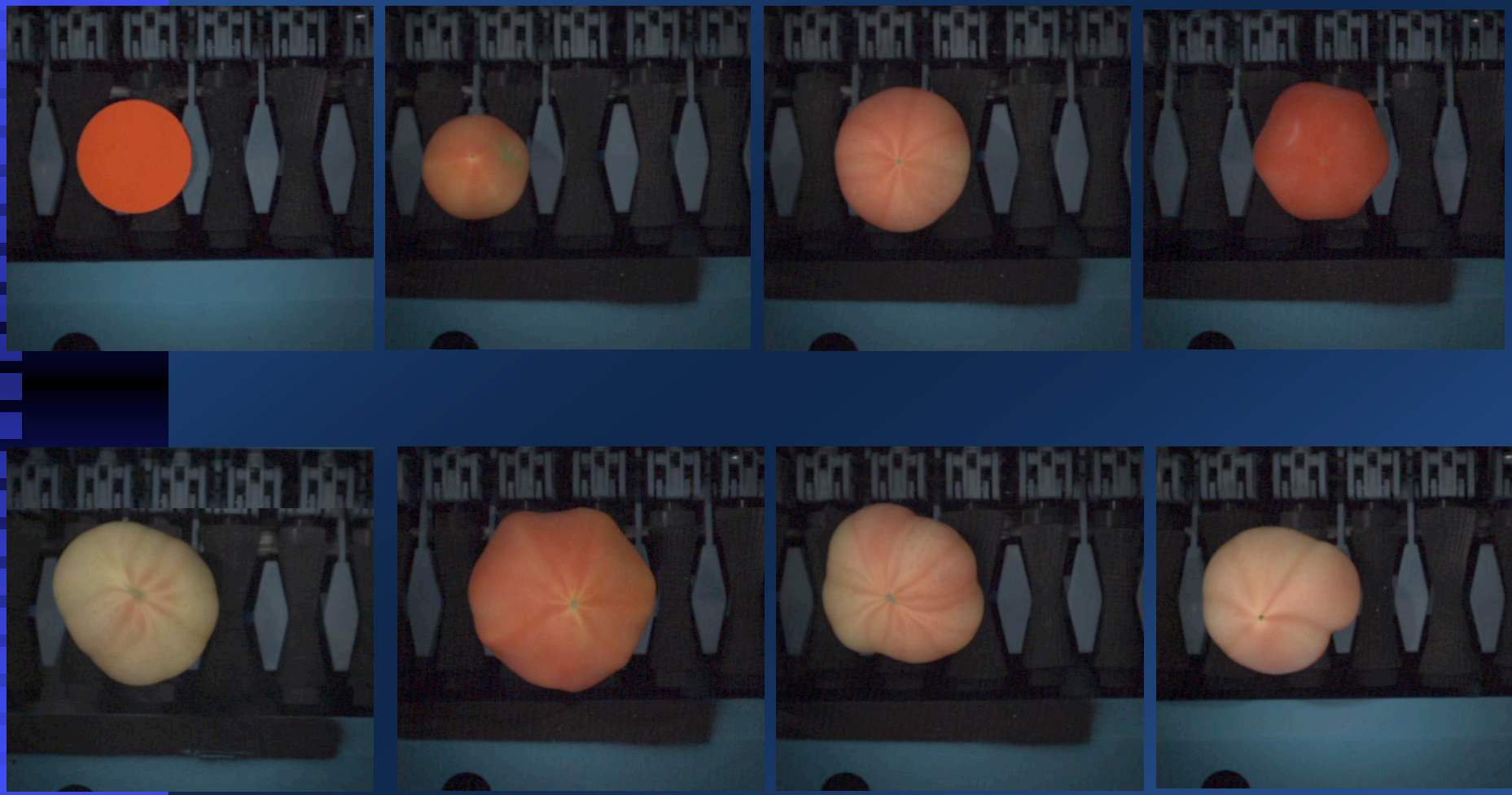
農学研究科　地域環境科学専攻

近藤　直・清水　浩

Practice

1. Color analysis
2. Size measurement
3. Shape analysis
4. Defect detection

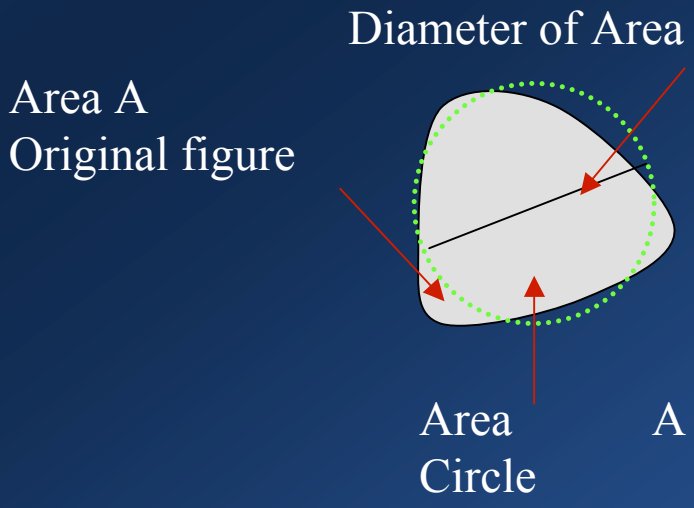
Objects for shape



Choose 10 tomato fruits and make graphs.

Size measurement

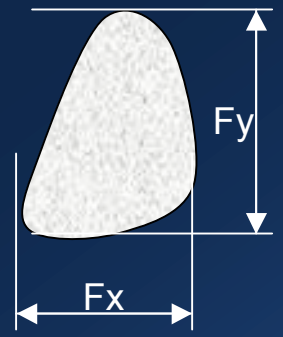
Area
Feret's diameter
Perimeter
Maximum length
Breadth
Equivalent circle diameter



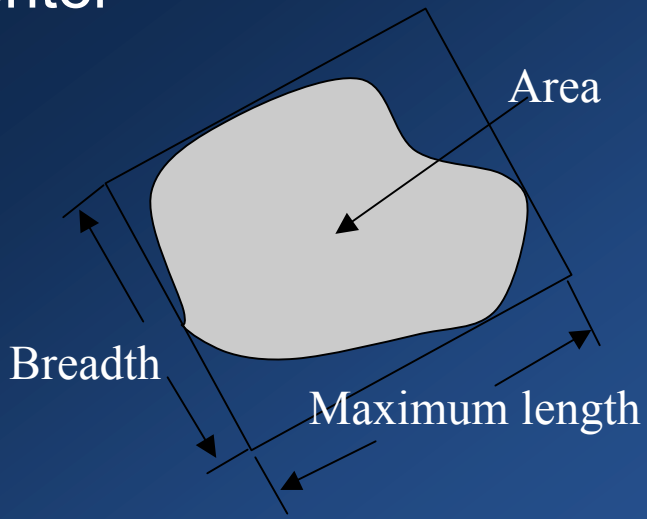
Equivalent circle diameter

Shape analysis

Complexity
Feret's dimeter ratio
Circularity factor
Occupancy
Moment
Deformation from gravity center
Roundness
Bend
.....



Feret's diameters



Occupancy

Assignment: Make graphs of shape analysis by three features (including your original one)

+ Discussions