

DIGITAL GEOMETRY

UGE M2 INFORMATIQUE “IMAGERY SCIENCE”

TP1 : Counting and measuring grains

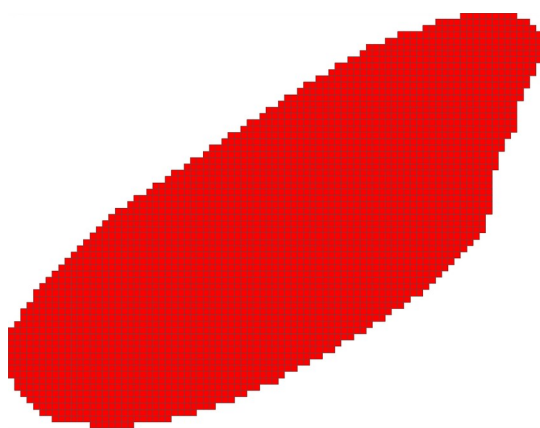
Step 1

Characteristics of rice grains with the naked eye :

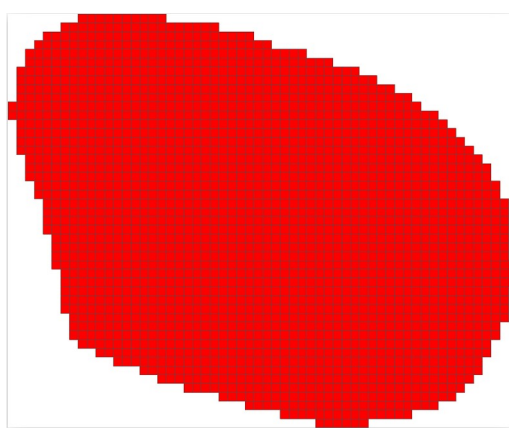
- (A) - **Basmati** rice is long and thin.
- (C) - **Japanese** rice is the opposite of *basmati* rice, it is small and thick, it looks light like a ball in general.
- (B) - **Camargue** rice is between basmati rice and Japanese rice, it is a little long and a little thick.

Step 2

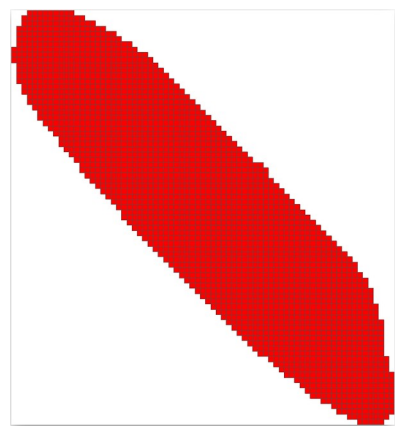
- **Basmati** rice : 141 components detected → 124 after elimination
- **Camargue** rice : 132 components detected → 112 after elimination
- **Japanese** rice : 147 components detected → 138 after elimination



Camargue



Japanese



Basmati

Step 3

nouveau fichier pour les contours

Step 4