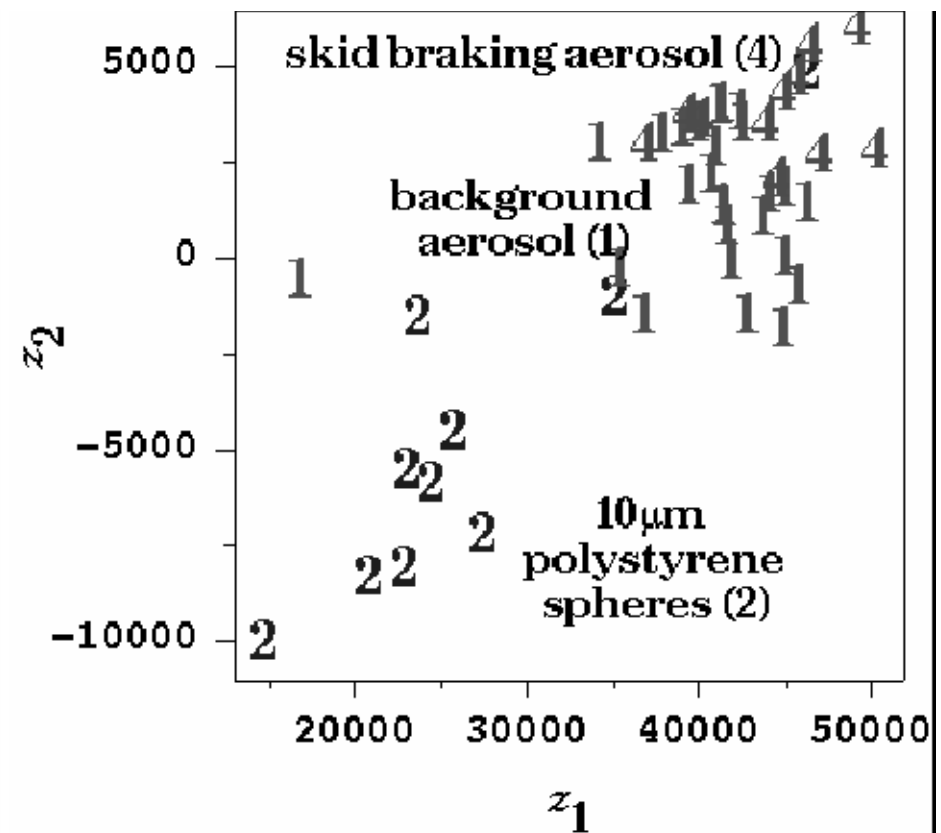
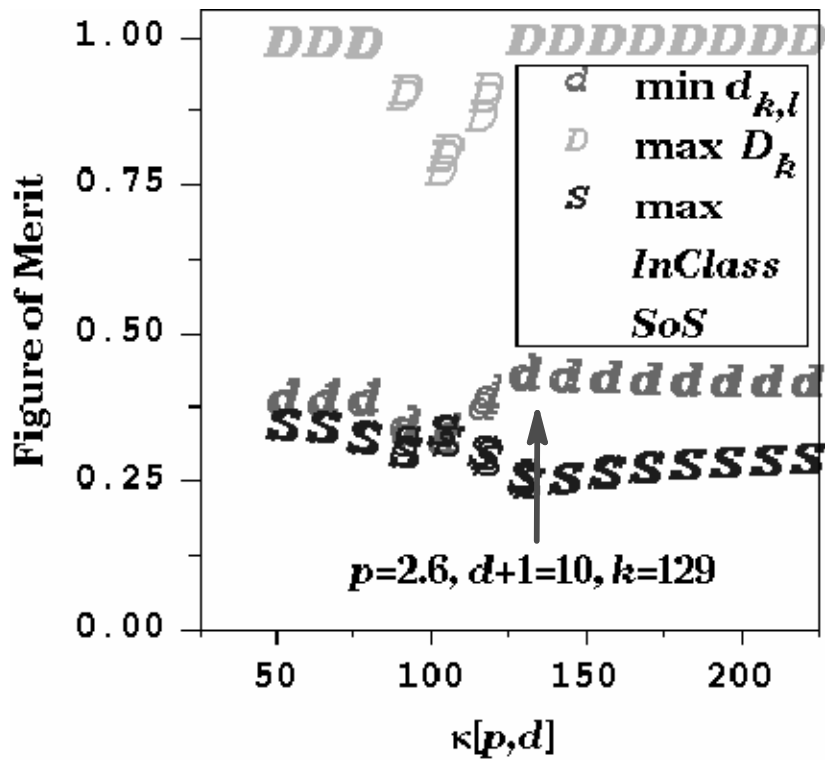


TRAINING FOR THE RECOGNITION OF AEROSOL PARTICLES

(1)=background aerosol; (2)=10 μ m polystyr. sphere clusters; (4)=skid braking aerosol

Train by {(1), (2)} ...

... recognize (4)

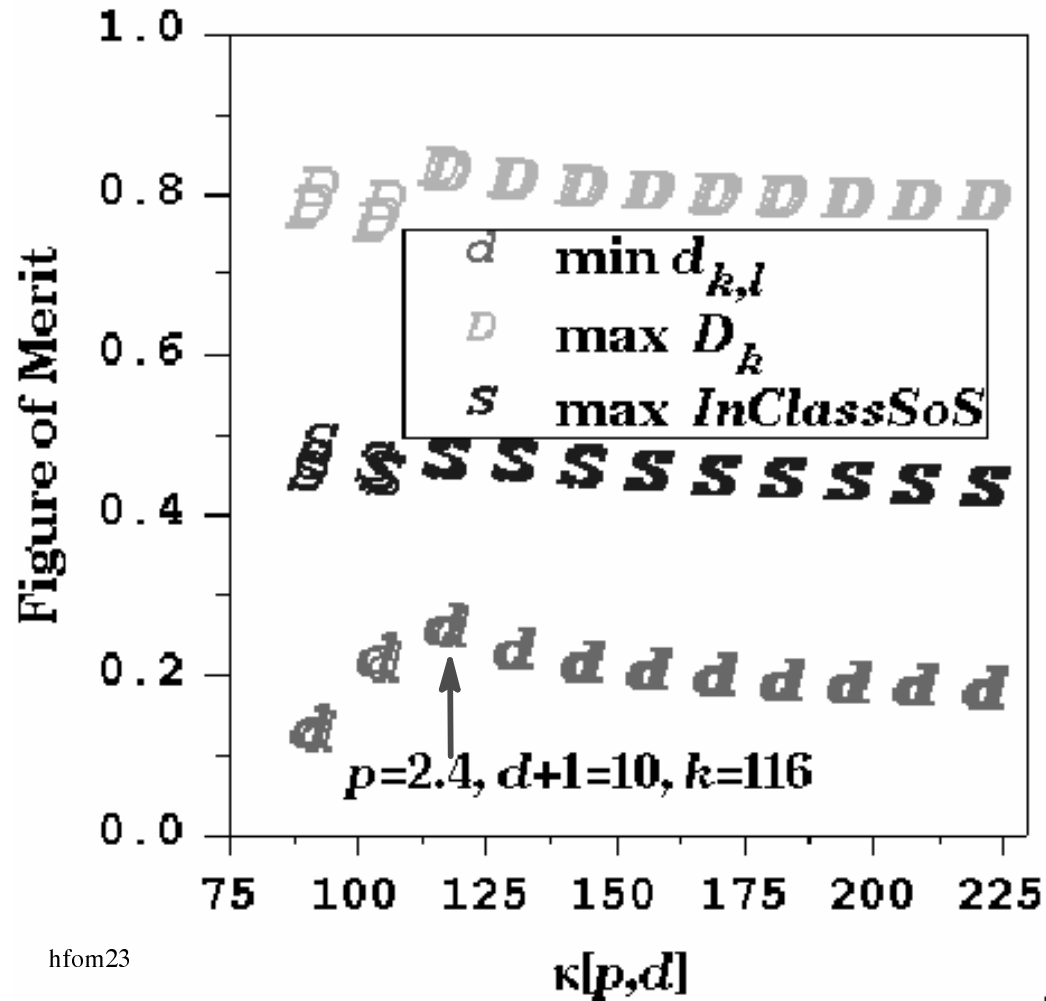


142.88432 ϕ 168.517815, 86.083414 ψ 93.948435
 Exec=w05, $\delta=45$ deg, axis= u_1 , $0 \leq |u| \leq 255$, dim[PC]=10

$$I_1=0.88, I_2=0.98$$

TRAINING WITH CLUSTERS OF SPHERES ...

axis= u_2 , $\vartheta_H = \pi/4$, $u_H = 255$

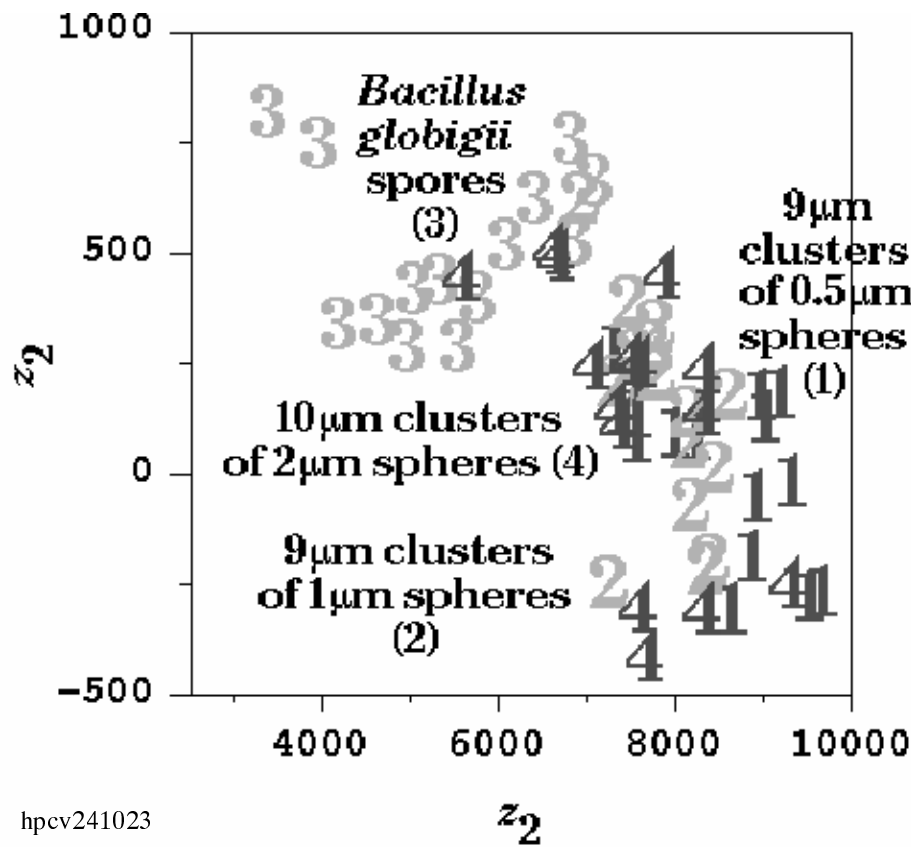


TAOS PATTERNS OF BACTERIAL SPORES

CLASSIFIER TRAINING BY CLUSTERS OF SPHERES {1, 2}:

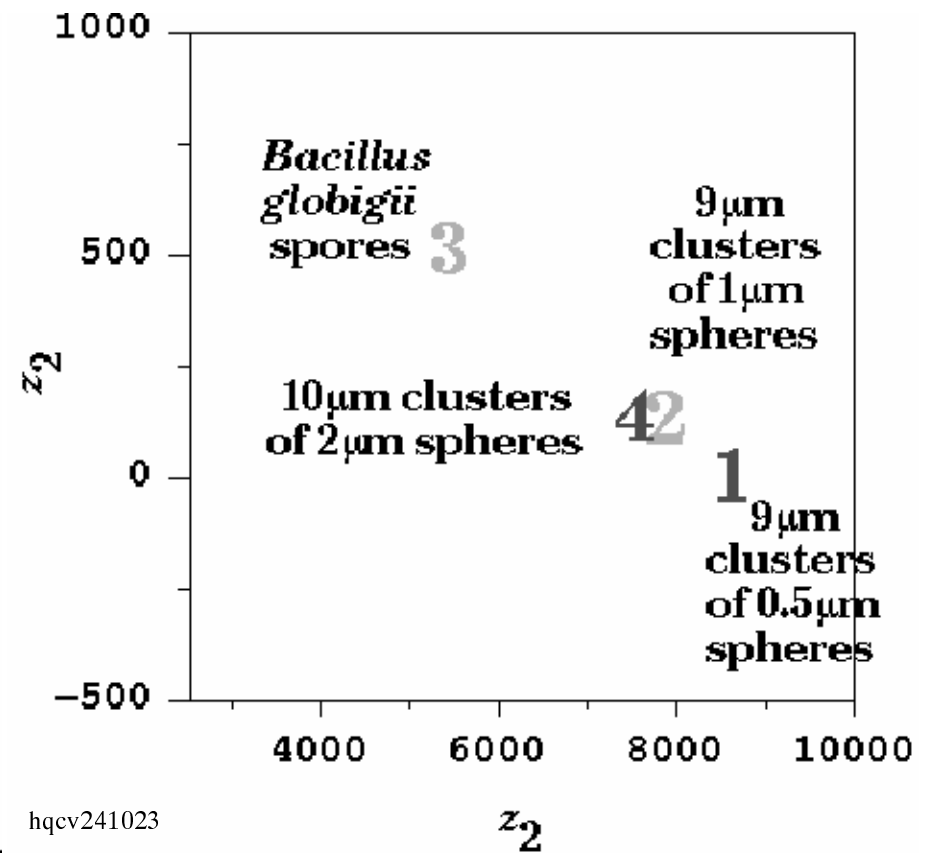
$$\hat{\Psi} = \{\vartheta = u_2, \vartheta_H = \pi/4, p = 2.4, d = 9, u_H = 255\}; FOM_d[\hat{\Psi}] = 0.263.$$

RECOGNITION & TARGET/CONFOUNDER DISCRIMINATION:



hpcv241023

patterns



hqcv241023

class centroids