

Coursework 2 Results by Zhansultan

function Mean results:

1.164 3.916 0.448 5.679 4.865 3.778 4.127 3.604 0.217

function Covariance results:

| | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5.880 | 0.245 | -0.004 | -0.284 | -0.346 | -0.417 | -0.481 | -0.267 | -0.067 |
| 0.245 | 7.572 | 0.073 | -0.358 | -0.346 | 0.257 | 2.273 | 0.946 | -0.032 |
| -0.004 | 0.073 | 0.247 | -0.116 | -0.039 | -0.003 | 0.100 | 0.066 | -0.005 |
| -0.284 | -0.358 | -0.116 | 16.960 | 7.969 | 4.443 | -1.036 | -0.306 | 0.047 |
| -0.346 | -0.346 | -0.039 | 7.969 | 8.361 | 4.921 | -0.763 | -0.752 | -0.001 |
| -0.417 | 0.257 | -0.003 | 4.443 | 4.921 | 6.683 | -0.087 | -0.376 | -0.141 |
| -0.481 | 2.273 | 0.100 | -1.036 | -0.763 | -0.087 | 20.583 | 1.122 | 0.014 |
| -0.267 | 0.946 | 0.066 | -0.306 | -0.752 | -0.376 | 1.122 | 4.317 | 0.119 |
| -0.067 | -0.032 | -0.005 | 0.047 | -0.001 | -0.141 | 0.014 | 0.119 | 0.170 |



PrincipalComponent_0.jpg



PrincipalComponent_1.jpg



PrincipalComponent_2.jpg



PrincipalComponent_3.jpg



PrincipalComponent_4.jpg



PrincipalComponent_5.jpg



PrincipalComponent_6.jpg



PrincipalComponent_7.jpg



PrincipalComponent_8.jpg



PrincipalComponent_9.jpg

1206.254 -1590.133 -248.136 -821.249 246.009 -771.900 963.633 376.967 161.599 -533.2



PartialReconstruction0.jpg



PartialReconstruction1.jpg



PartialReconstruction2.jpg



PartialReconstruction3.jpg



PartialReconstruction4.jpg



PartialReconstruction5.jpg



PartialReconstruction6.jpg



PartialReconstruction7.jpg



PartialReconstruction8.jpg



PartialReconstruction9.jpg



PartialReconstruction10.jpg



NewPrincComp0.jpg



NewPrincComp1.jpg



NewPrincComp2.jpg



NewPrincComp3.jpg



NewPrincComp4.jpg



NewPrincComp5.jpg

The magnitudes of 'c.pgm' from given basis:

1110.709 1537.080 410.837 -1887.013 941.699 -2009.996



NewPartRecon0.jpg



NewPartRecon1.jpg



NewPartRecon2.jpg



NewPartRecon3.jpg



NewPartRecon4.jpg



NewPartRecon5.jpg



NewPartRecon6.jpg