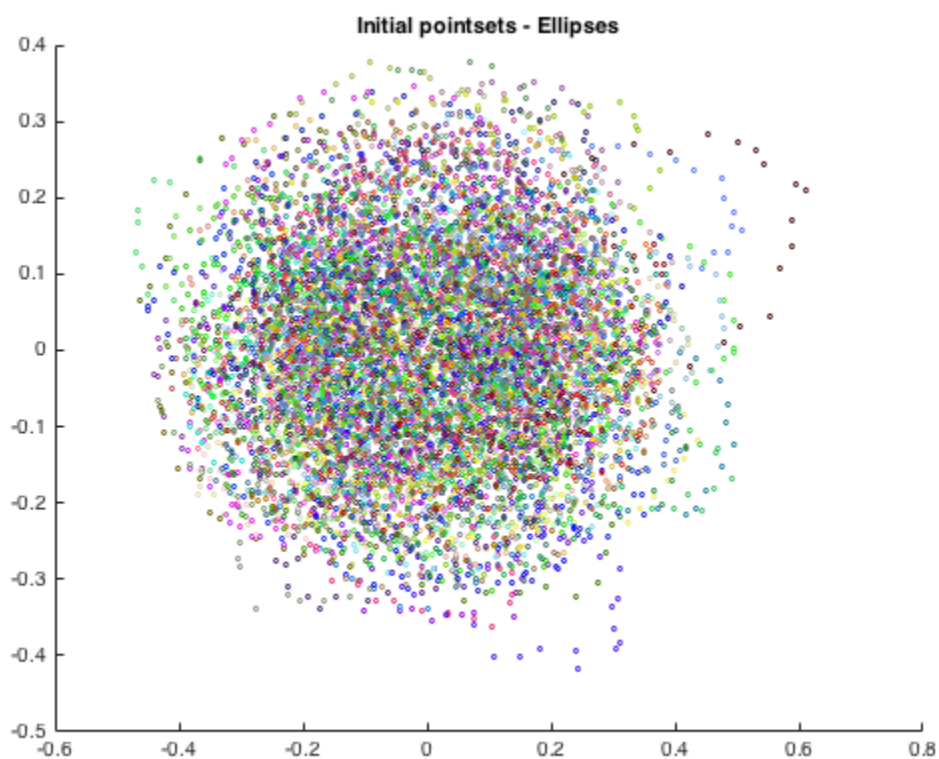# Analysis for the given datasets -

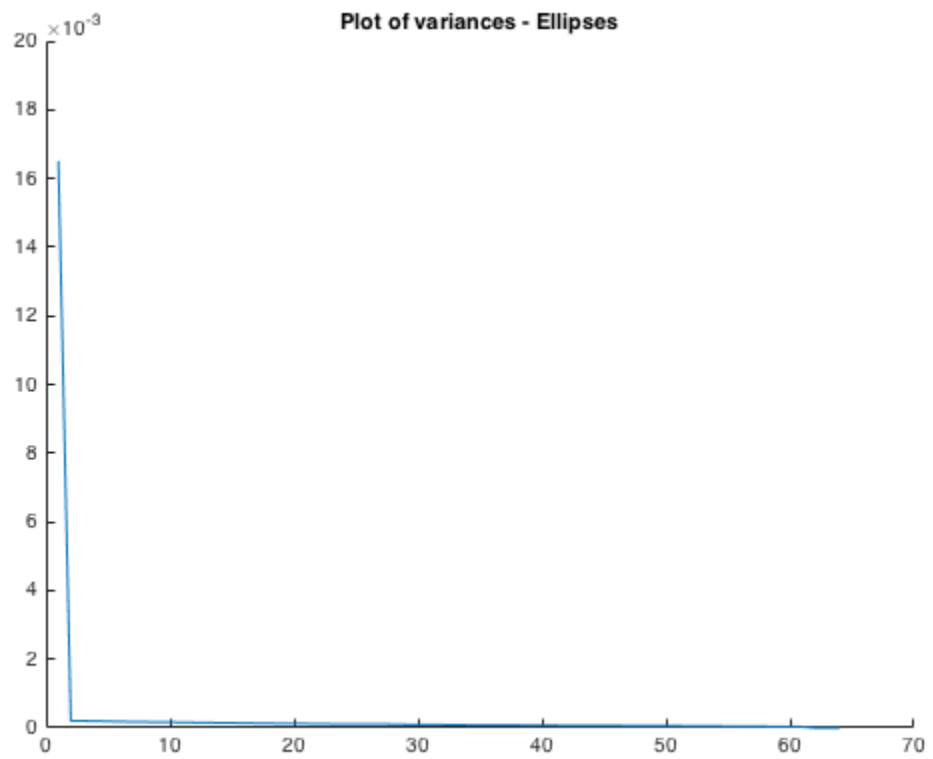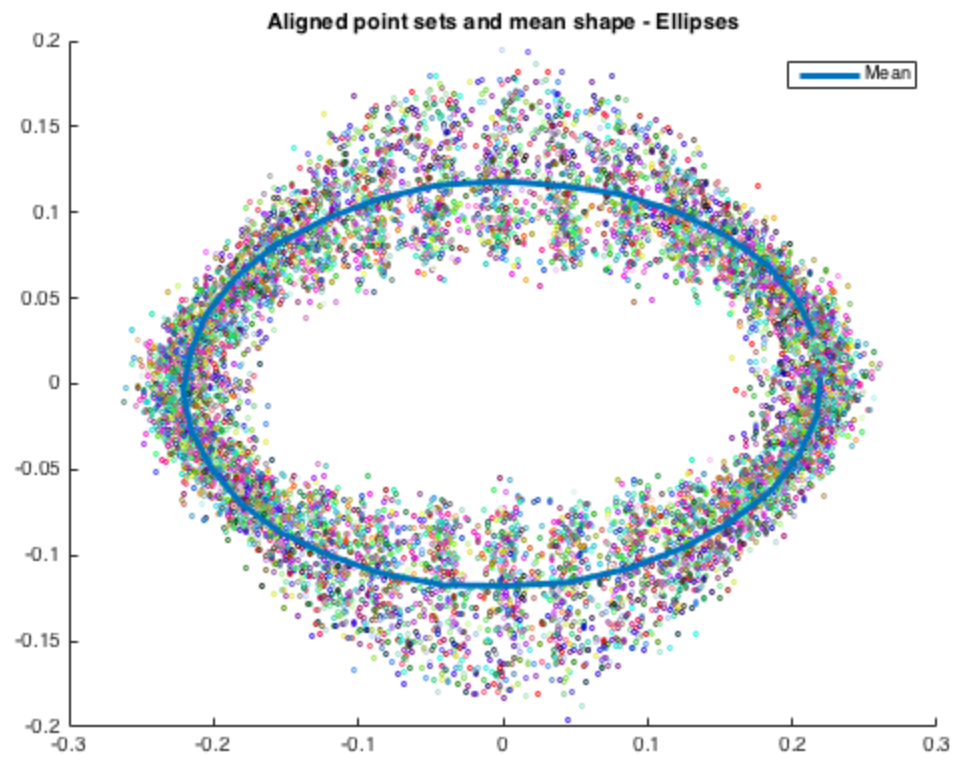## Table of Contents

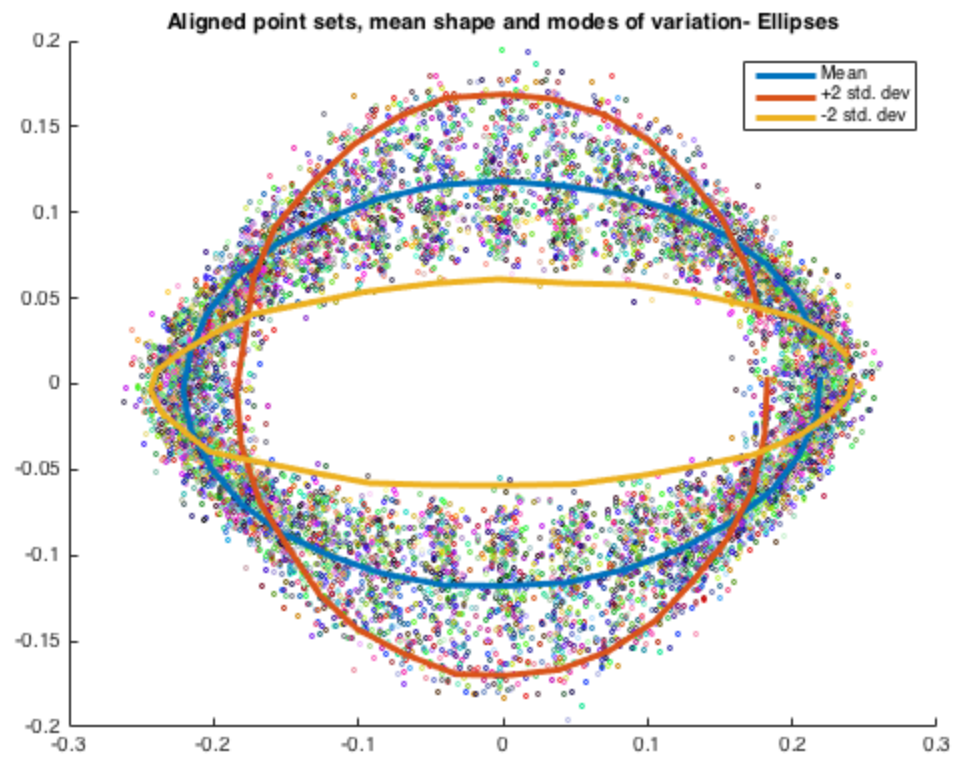# Ellipses
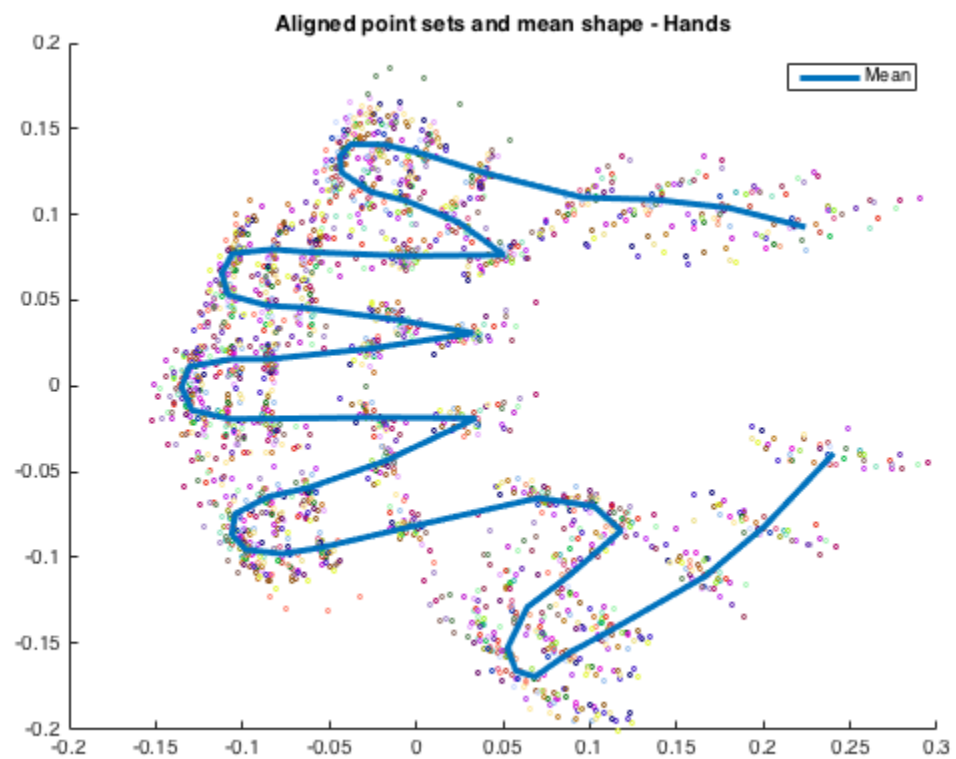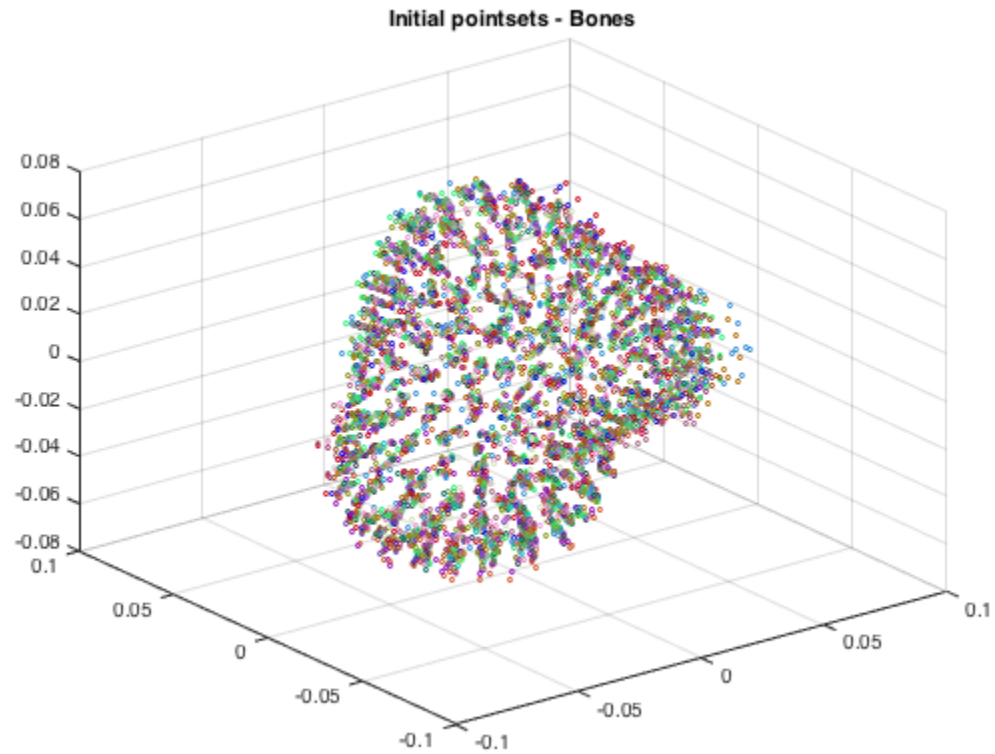
```
ellipsePlot;
```

Aligned point sets and mean shape - Ellipses

Plot of variances - Ellipses

Aligned point sets, mean shape and modes of variation- Ellipses
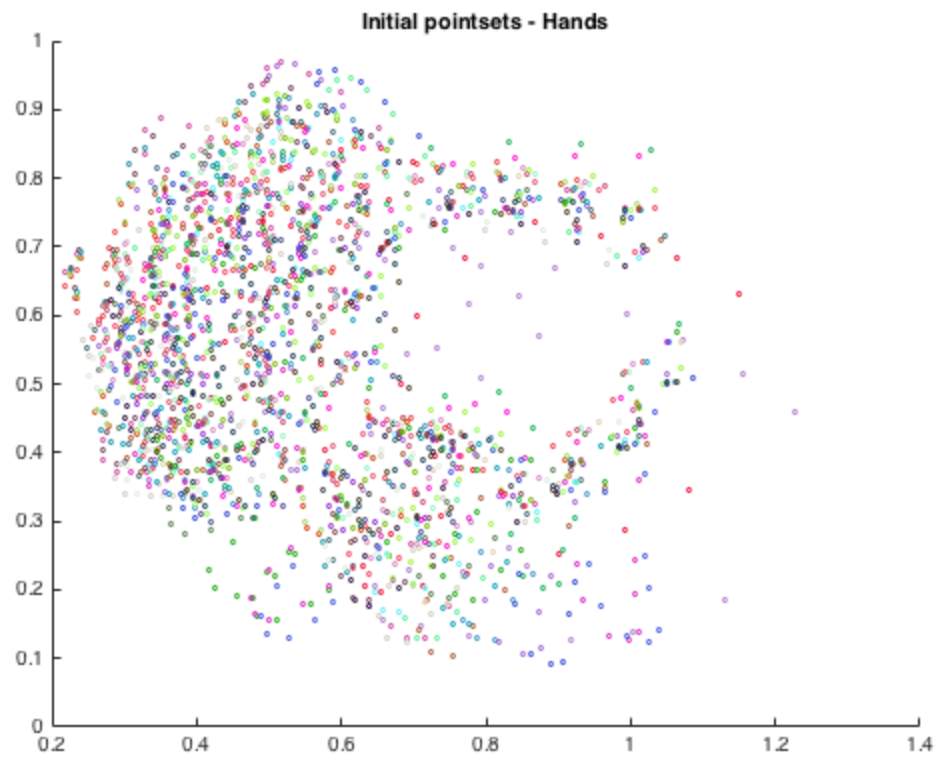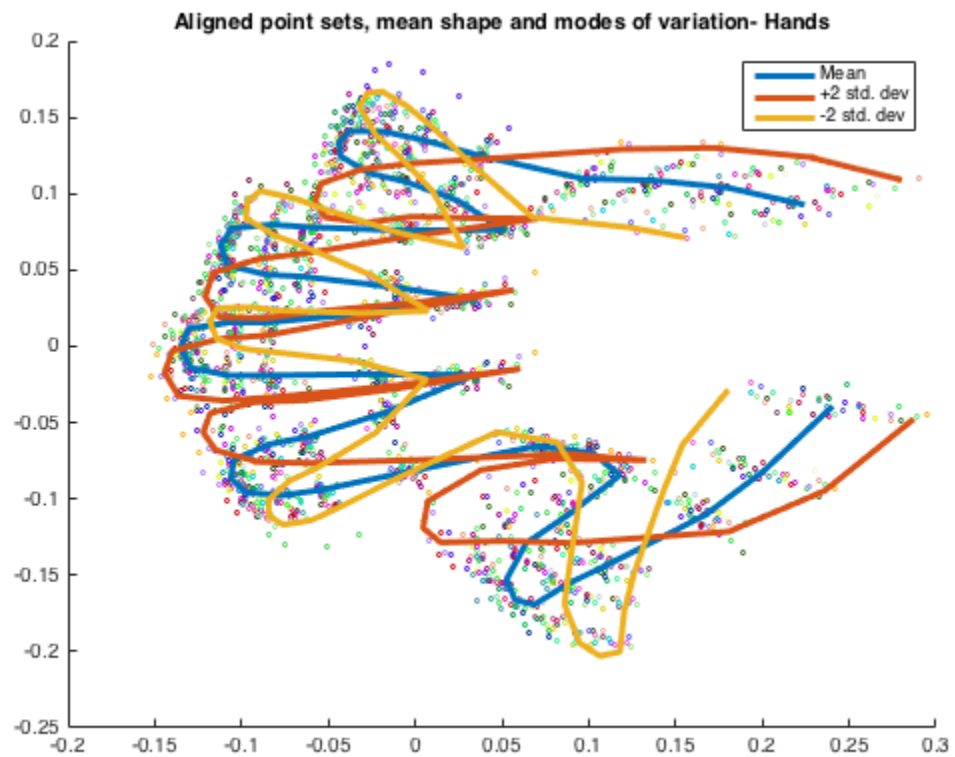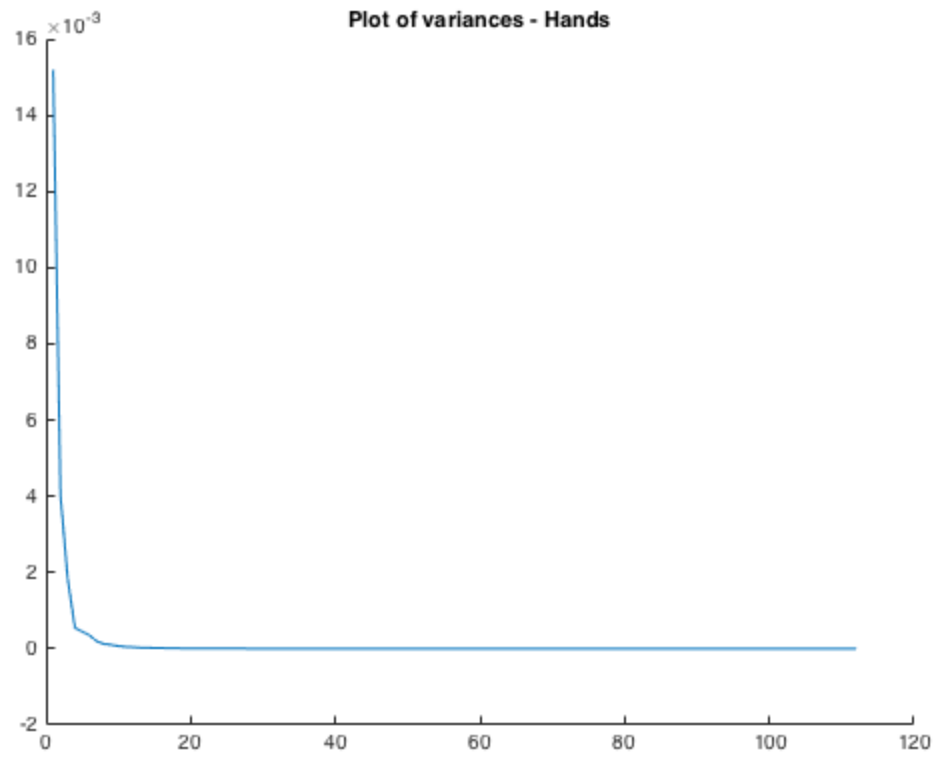
Hands

```
handPlot;
```

Initial pointsets - Hands

Aligned point sets and mean shape - Hands
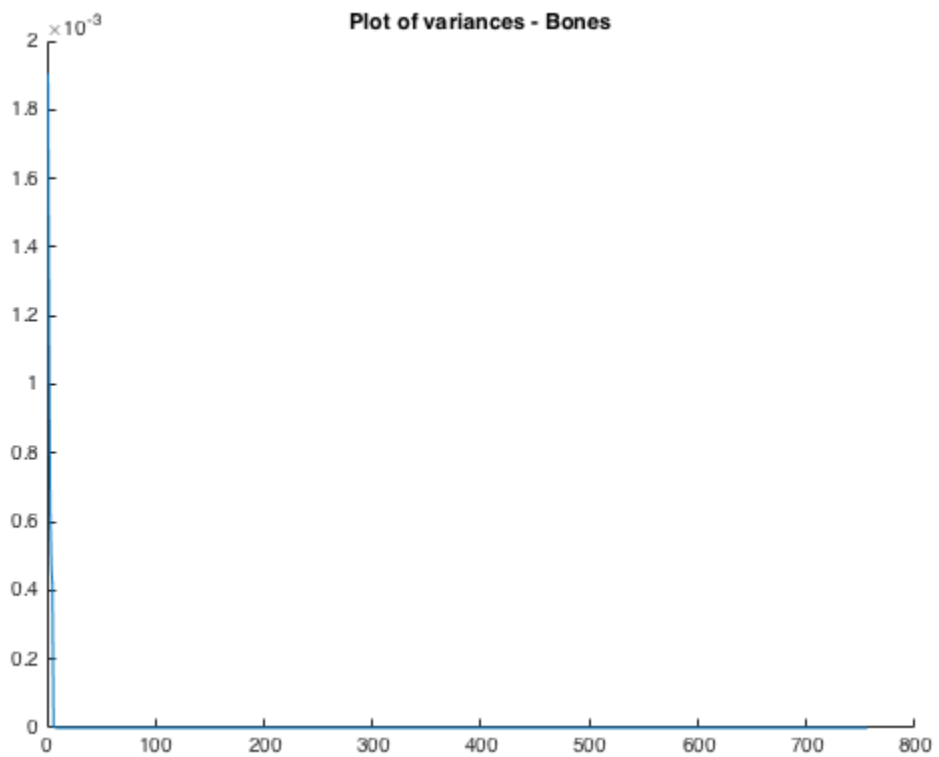
Plot of variances - Hands

Aligned point sets, mean shape and modes of variation- Hands

Bones

```
bonePlot;
```


Initial pointsets - Bones
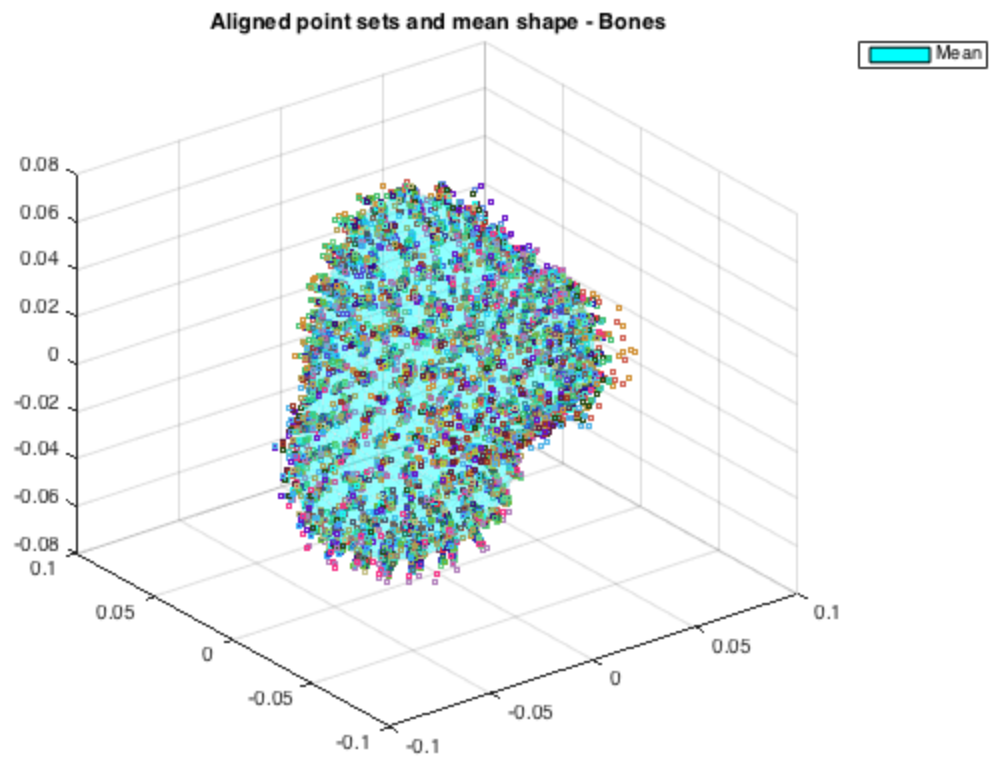
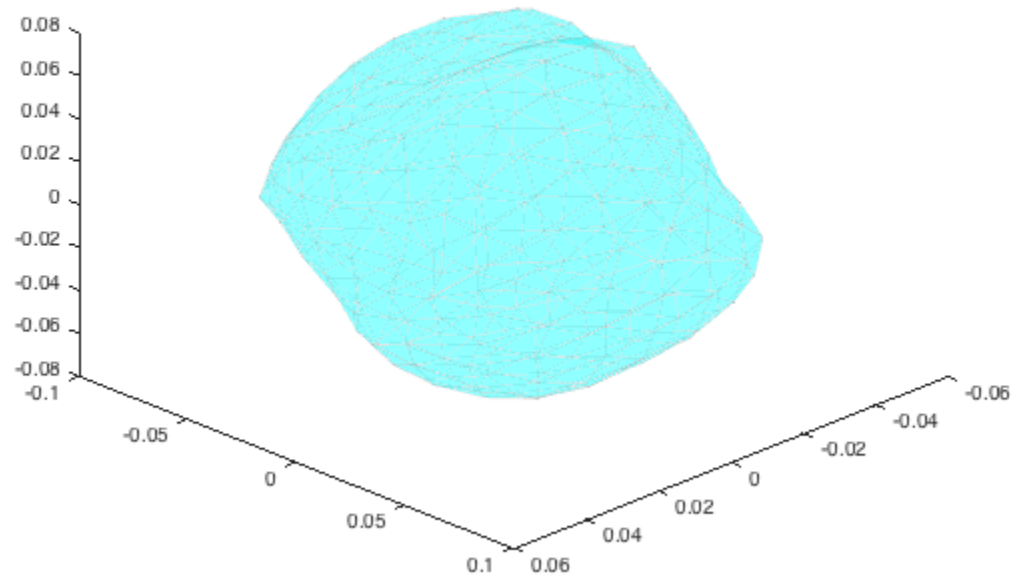### Aligned point sets and mean shape - Bones

Plot of variances - Bones

mean

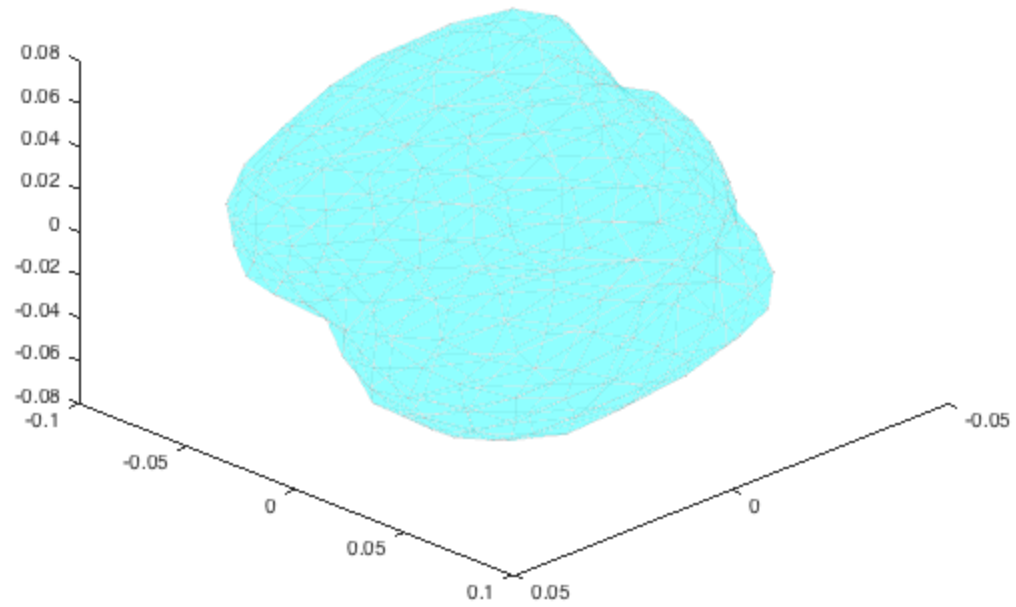**+2 std. dev. for principal mode 1**
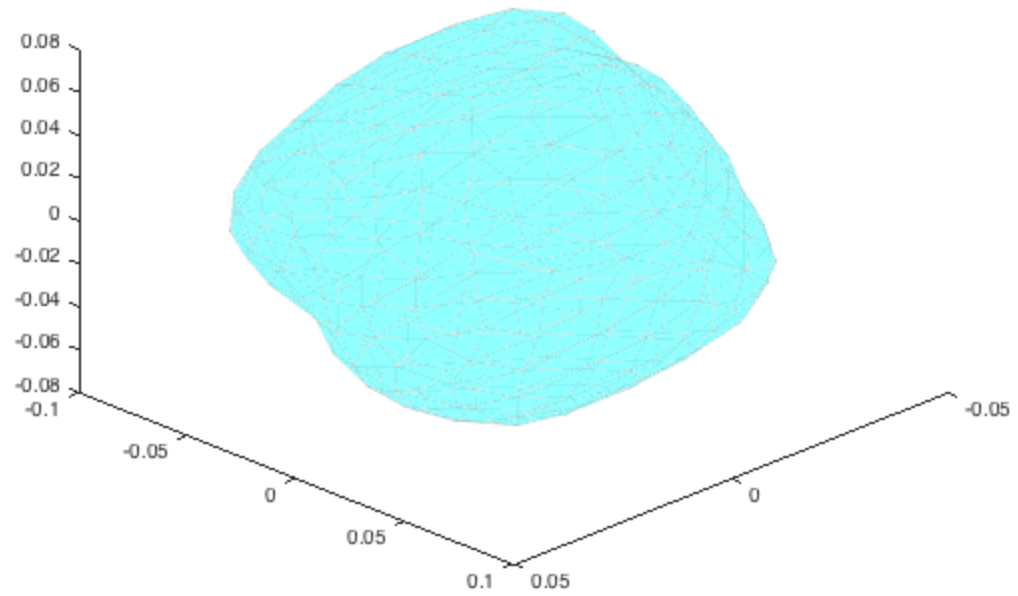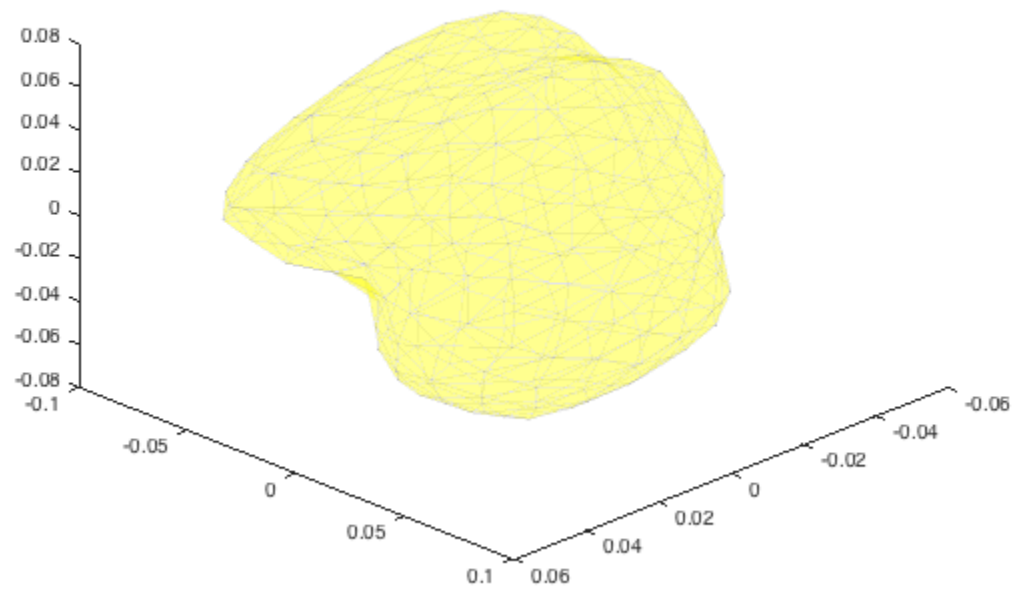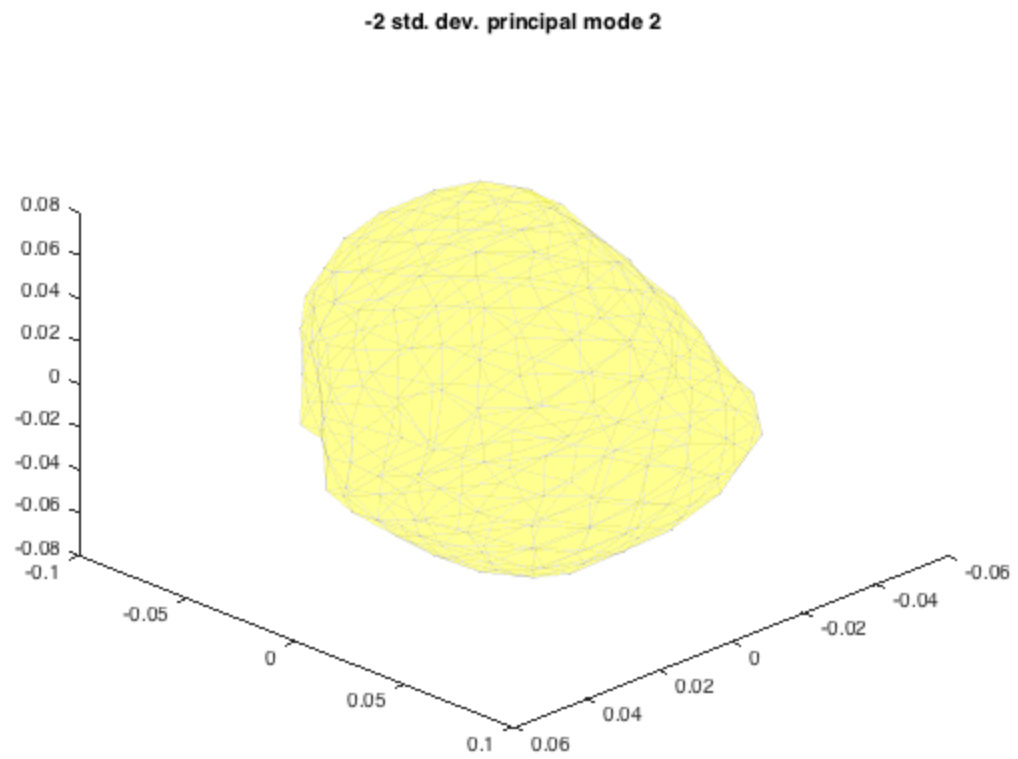
-2 std. dev. for principal mode 1

2 std. dev. for principal mode 2

-2 std. dev. principal mode 2

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