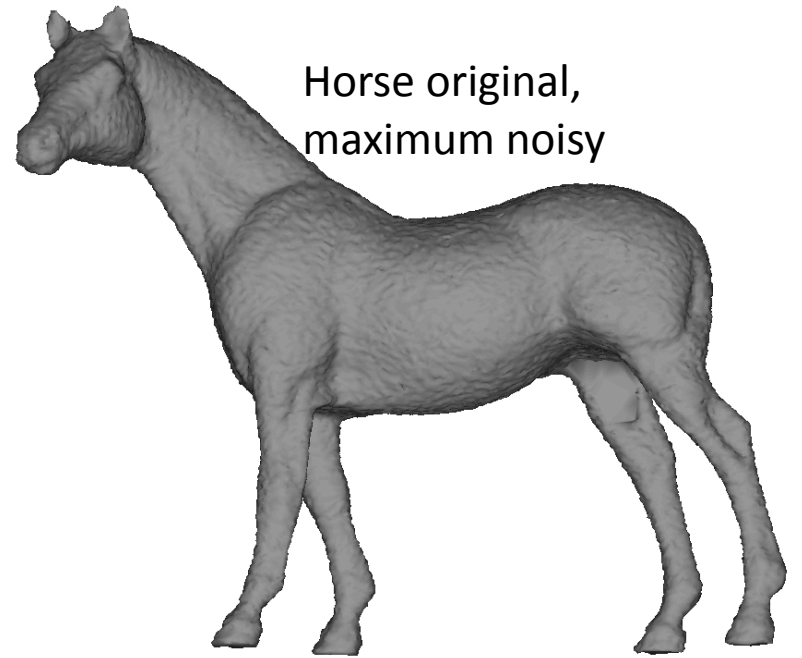
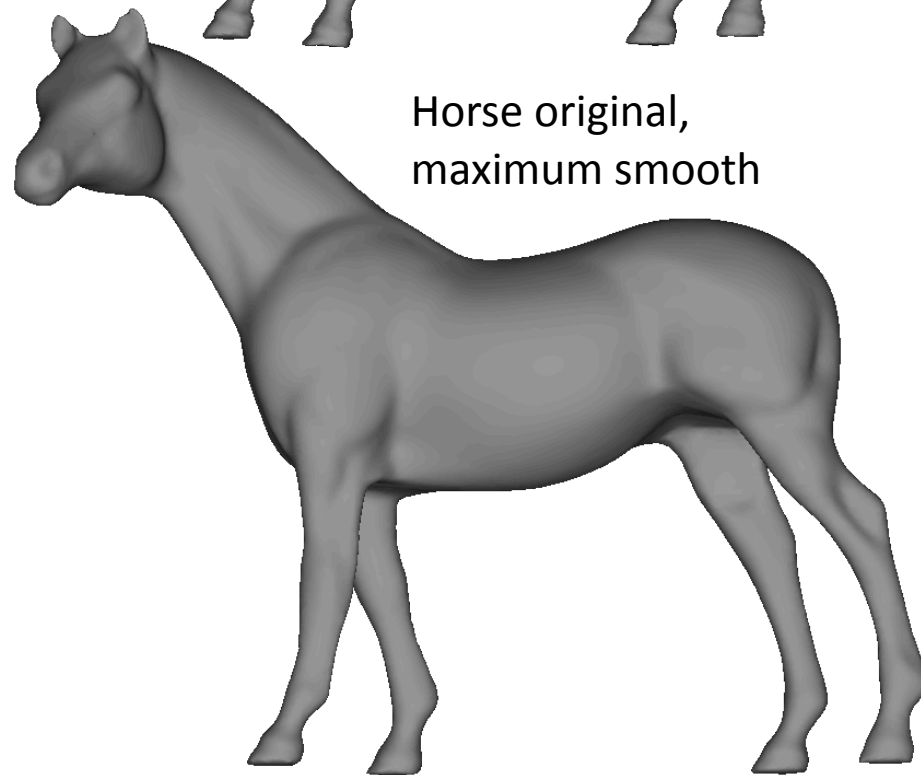


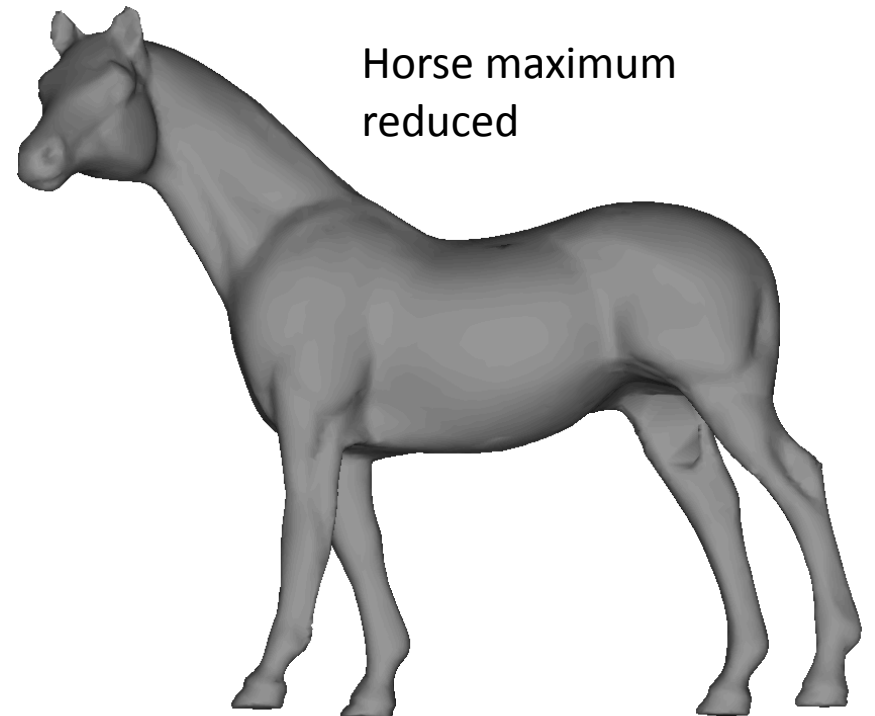
Horse original



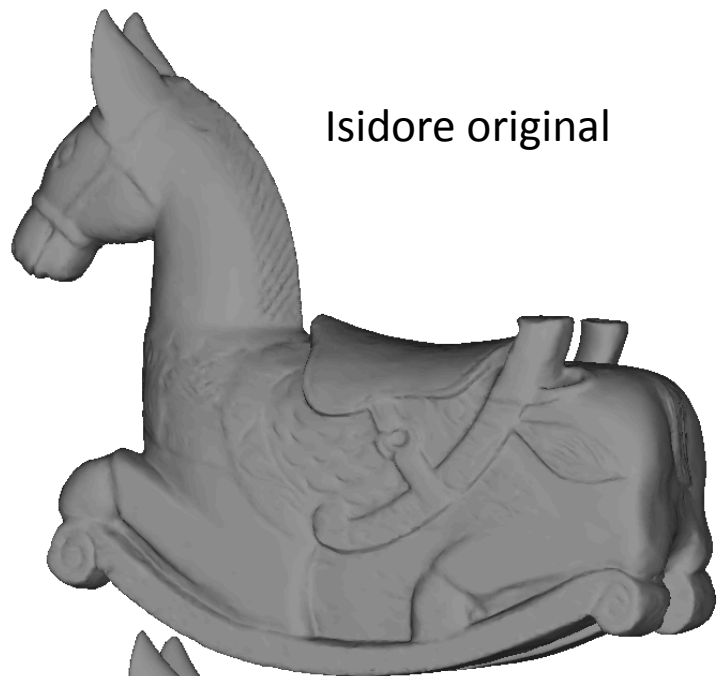
Horse original,
maximum noisy



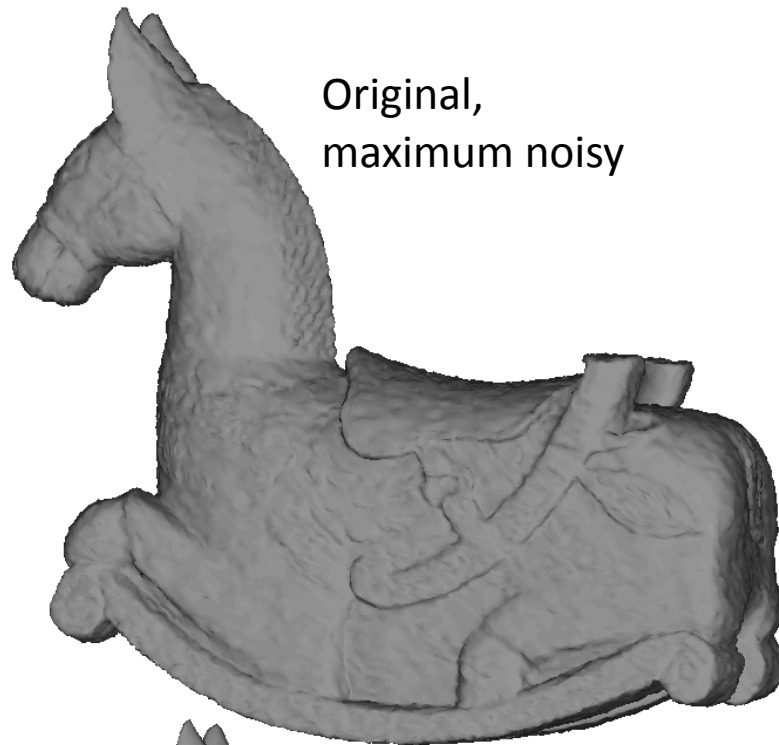
Horse original,
maximum smooth



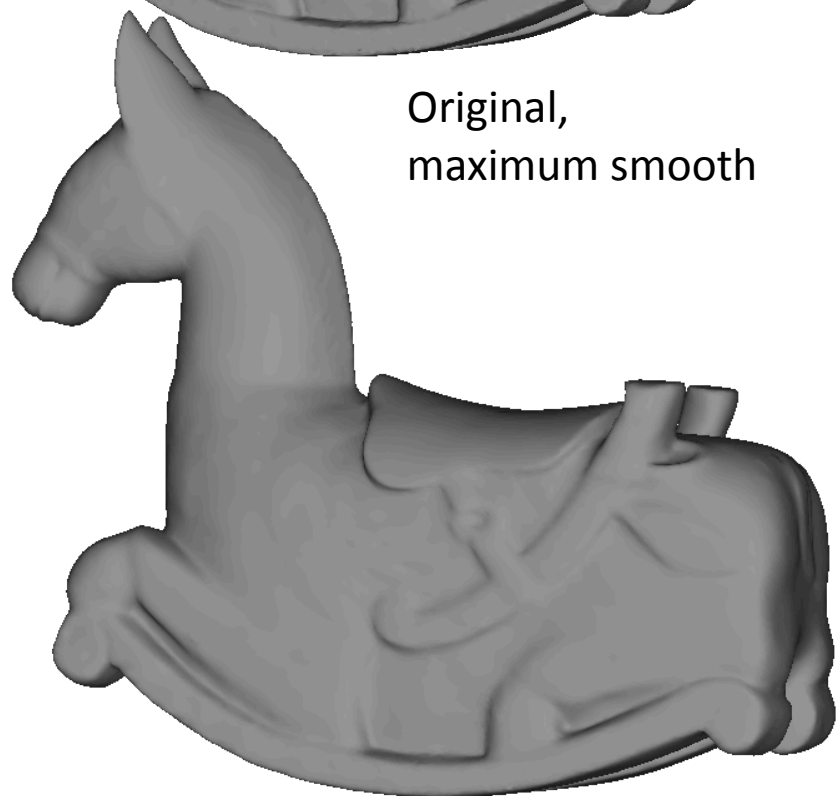
Horse maximum
reduced



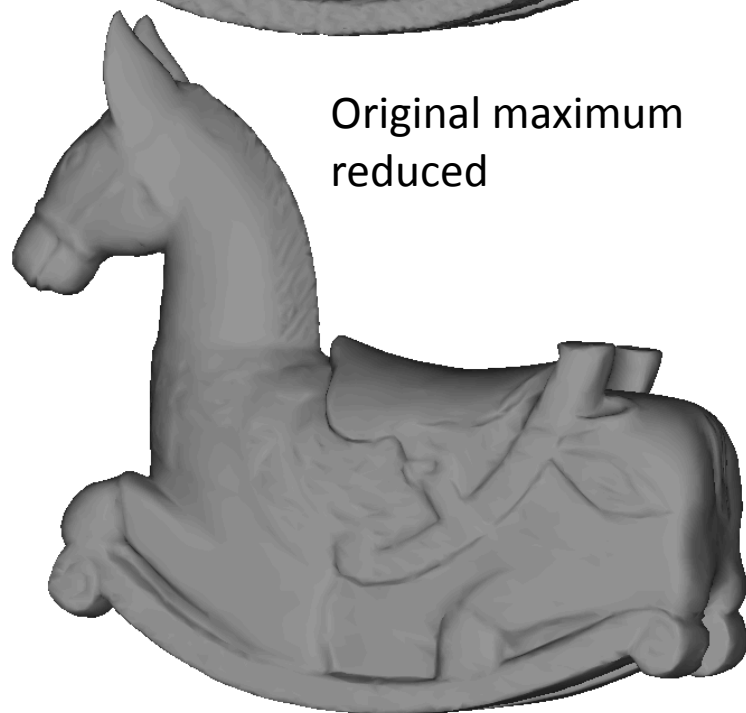
Isidore original



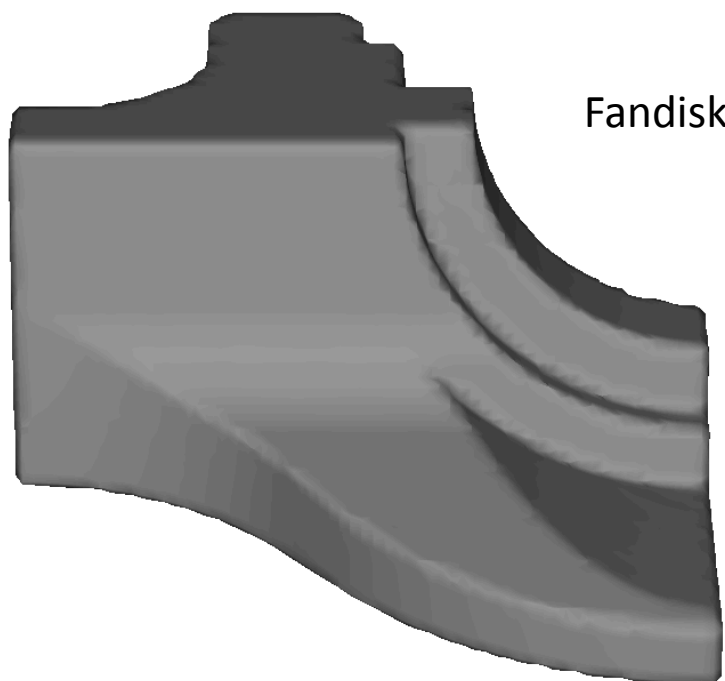
Original,
maximum noisy



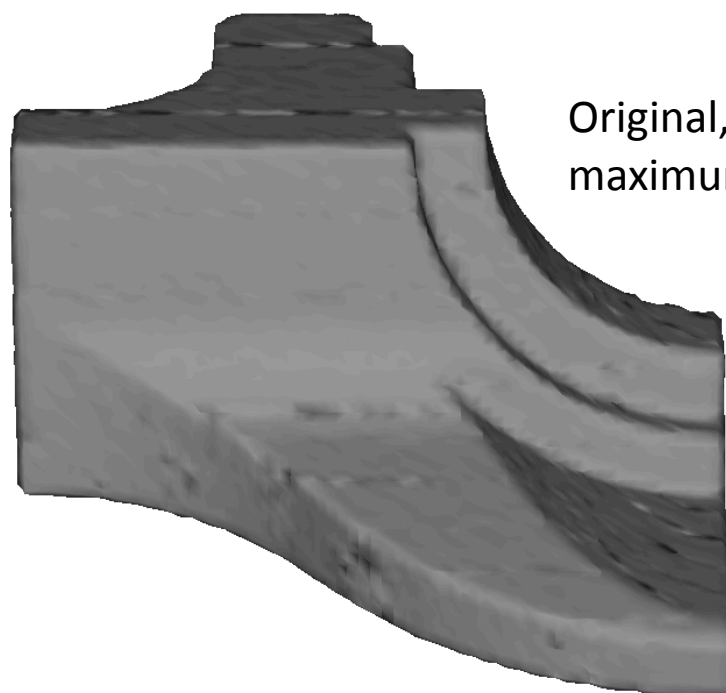
Original,
maximum smooth



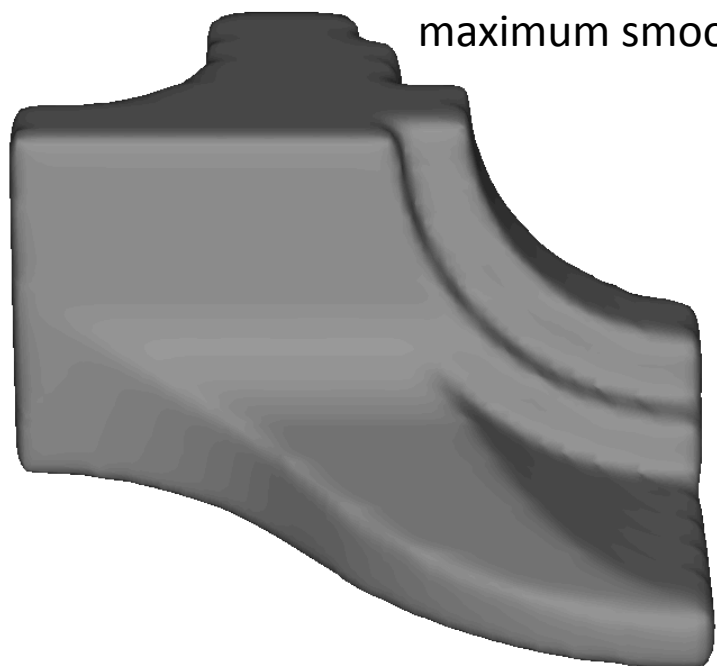
Original maximum
reduced



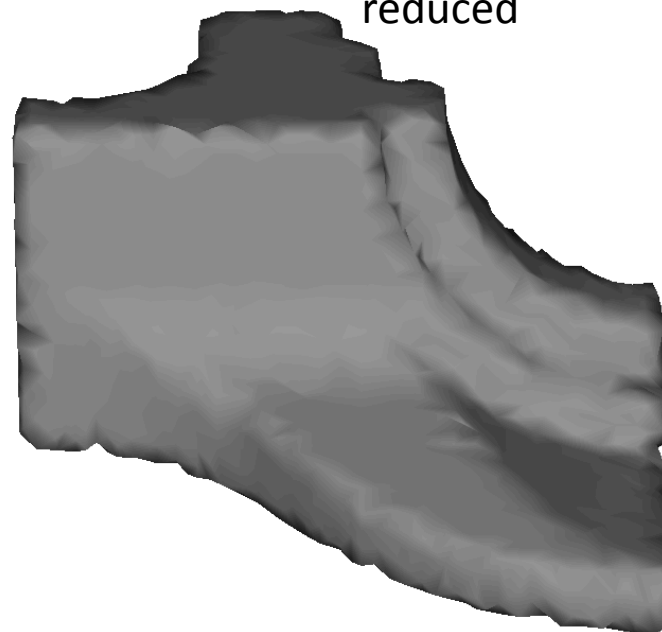
Fandisk



Original,
maximum noisy

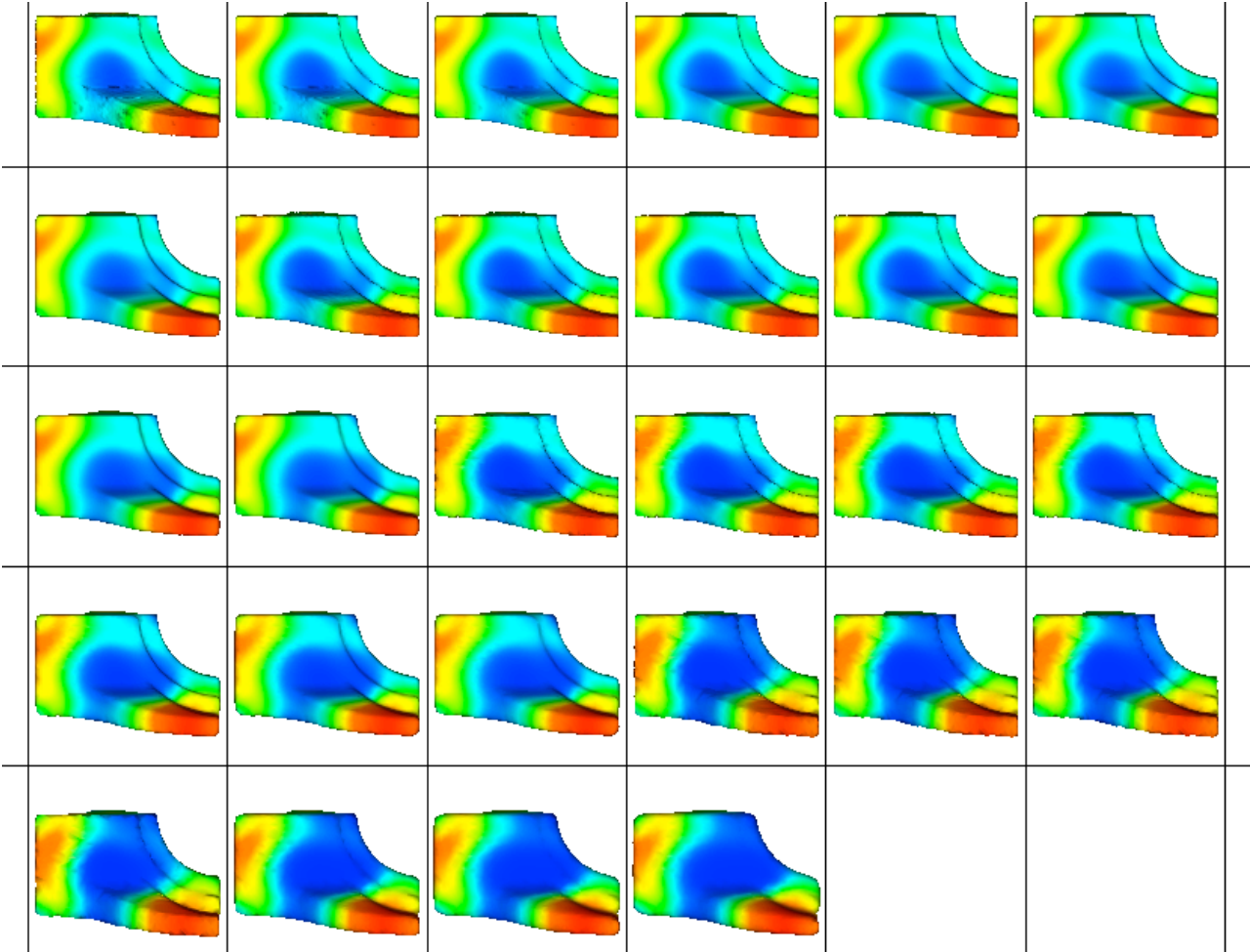


Original,
maximum smooth



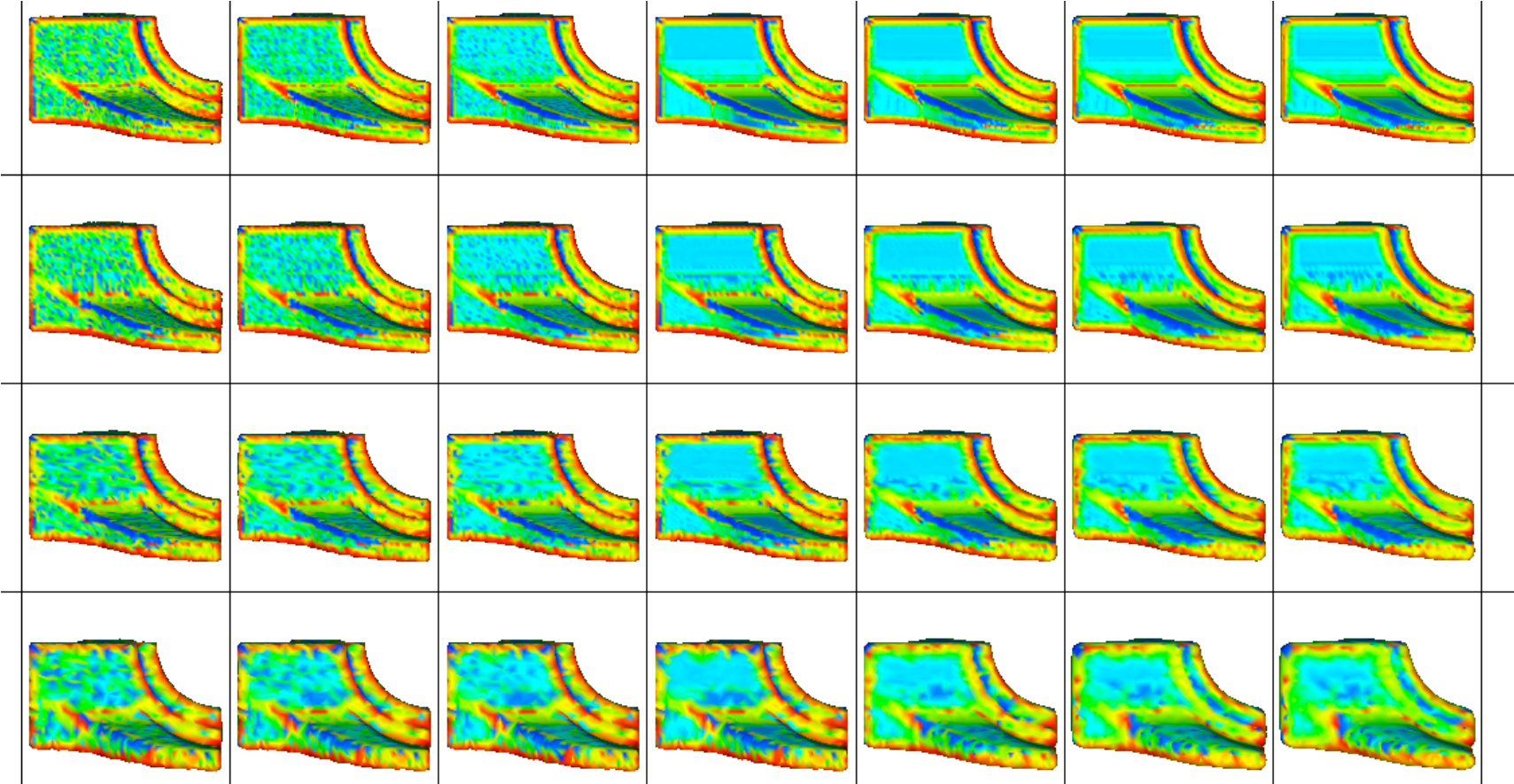
Original maximum
reduced

Heat. From left to right, top to bottom, high res (1-7) to low res (22-28), noisy to smooth



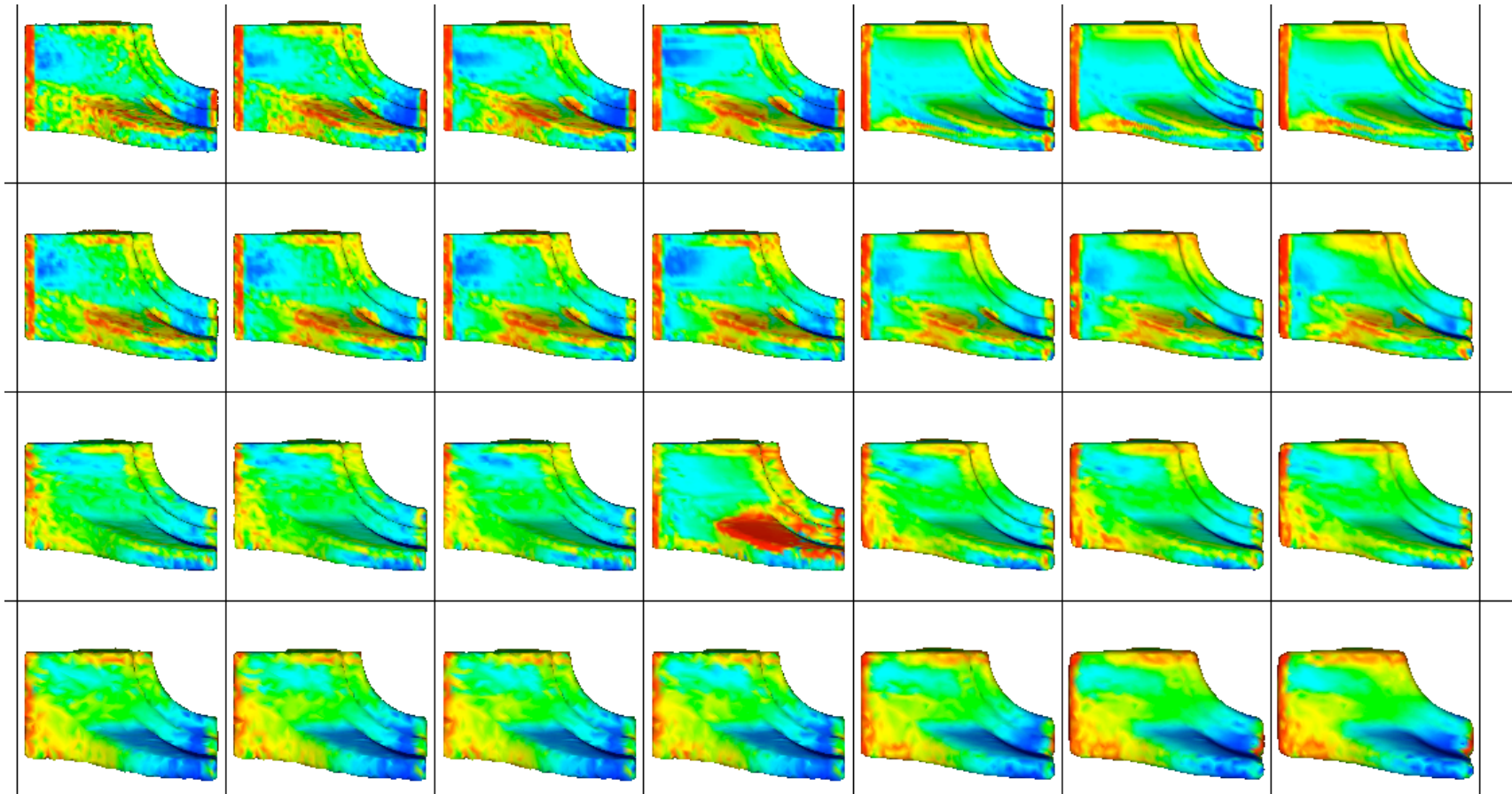
Distance to plane, distribution.

From left to right, top to bottom, high res (1-7) to low res (22-28), noisy to smooth



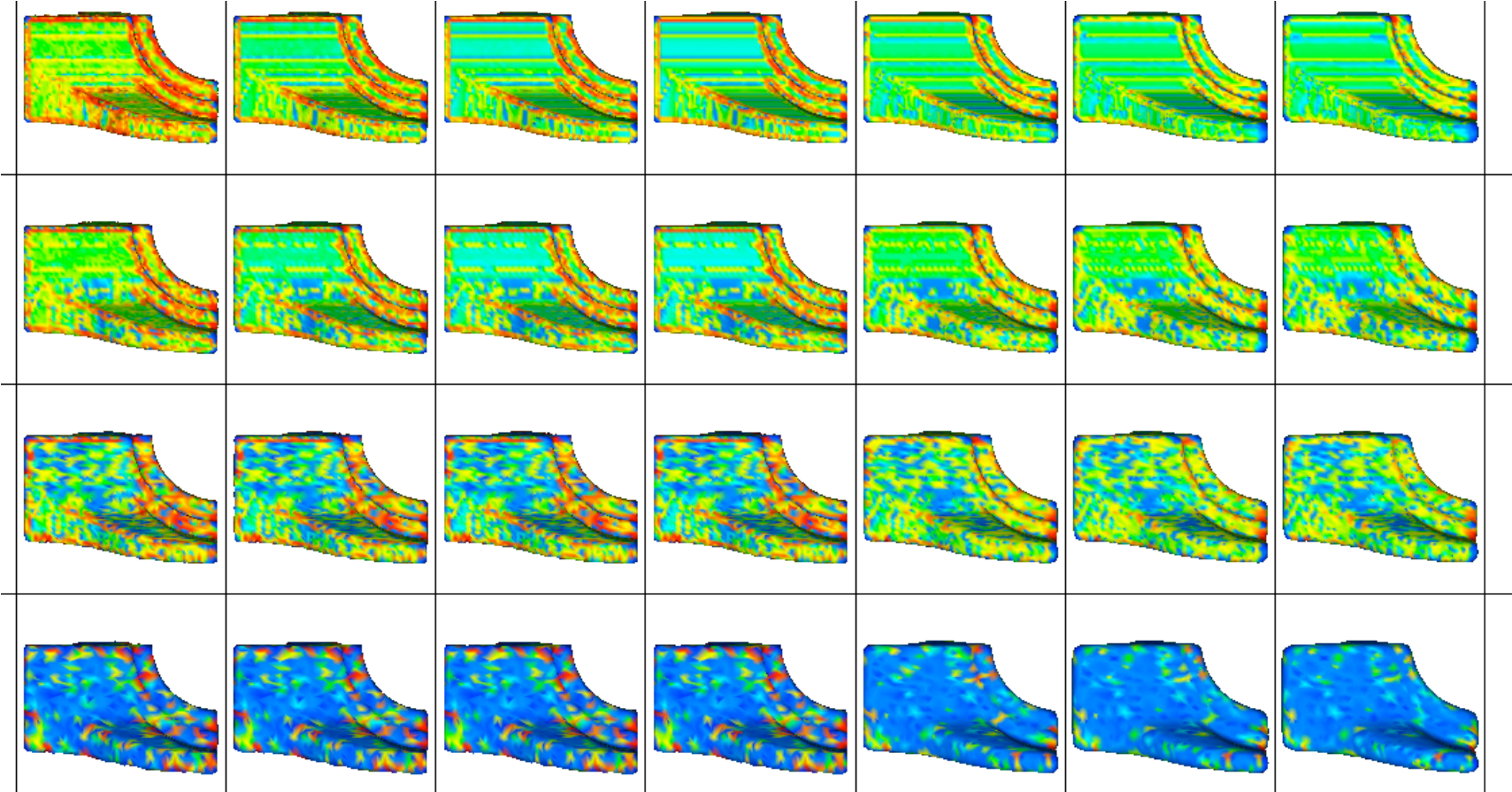
Shape Diameter function, histogram.

From left to right, top to bottom, high res (1-7) to low res (22-28), noisy to smooth



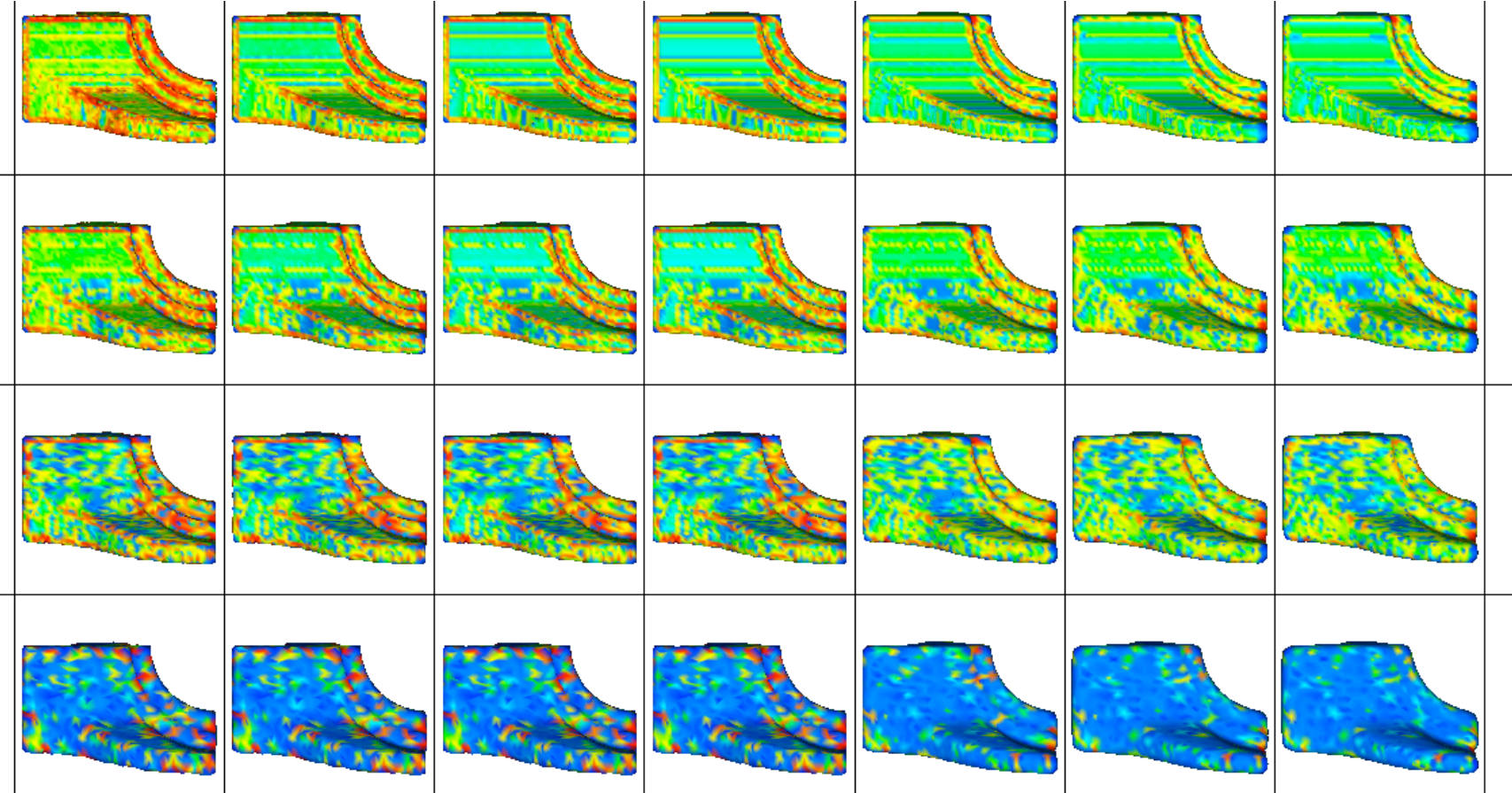
Length of curve.

From left to right, top to bottom, high res (1-7) to low res (22-28), noisy to smooth



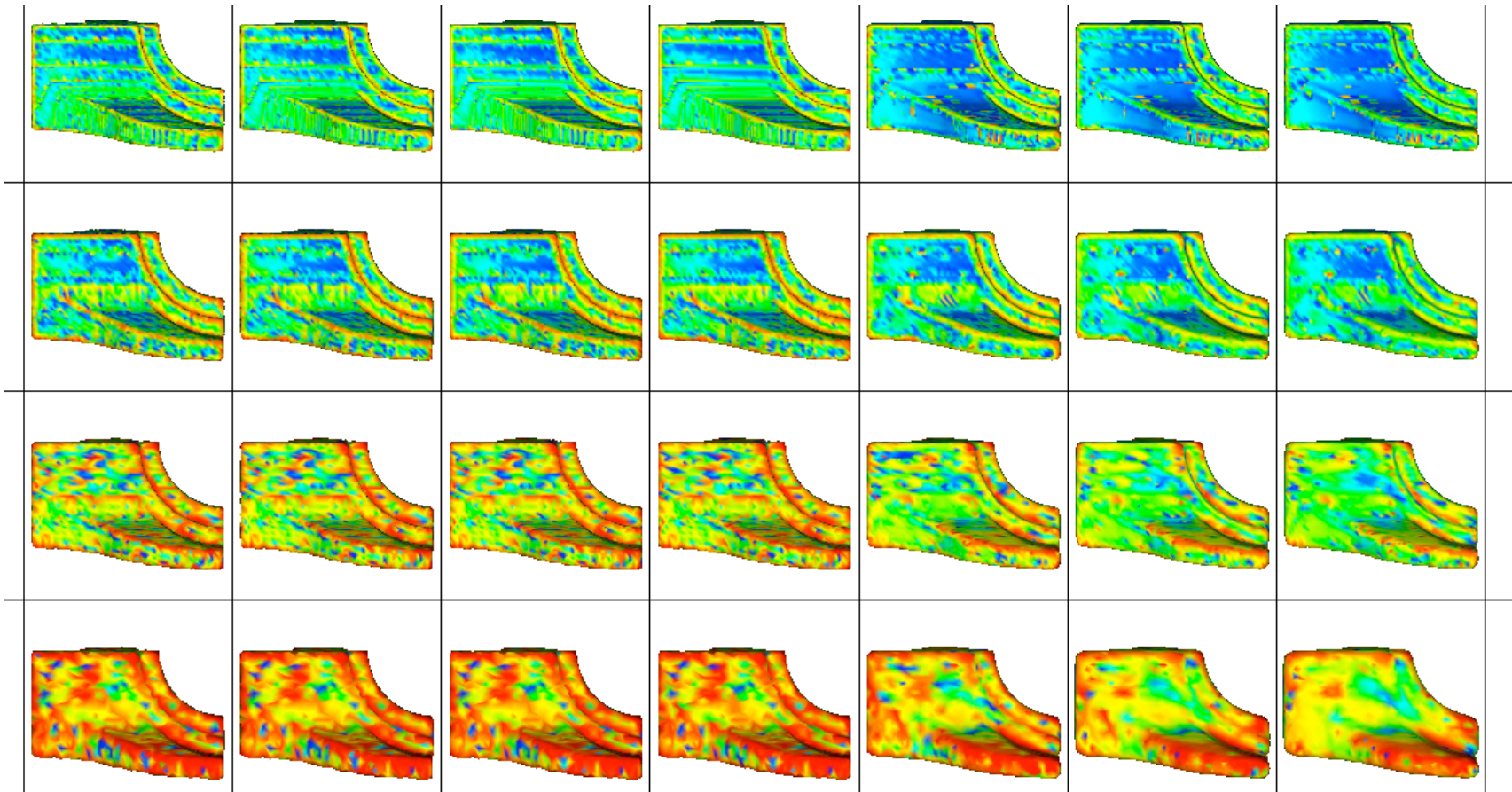
Length of curve.

From left to right, top to bottom, high res (1-7) to low res (22-28), noisy to smooth



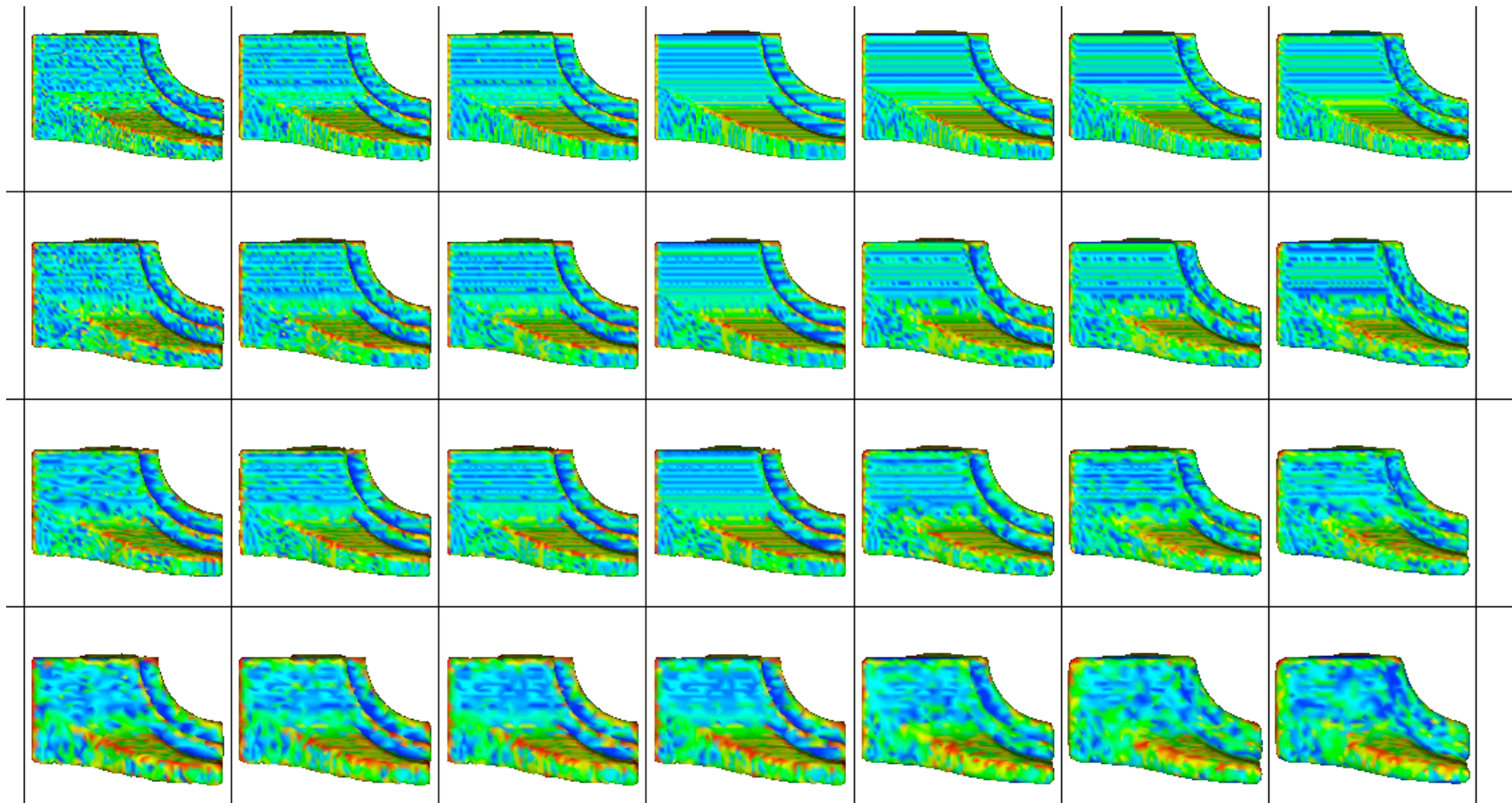
Movement.

From left to right, top to bottom, high res (1-7) to low res (22-28), noisy to smooth



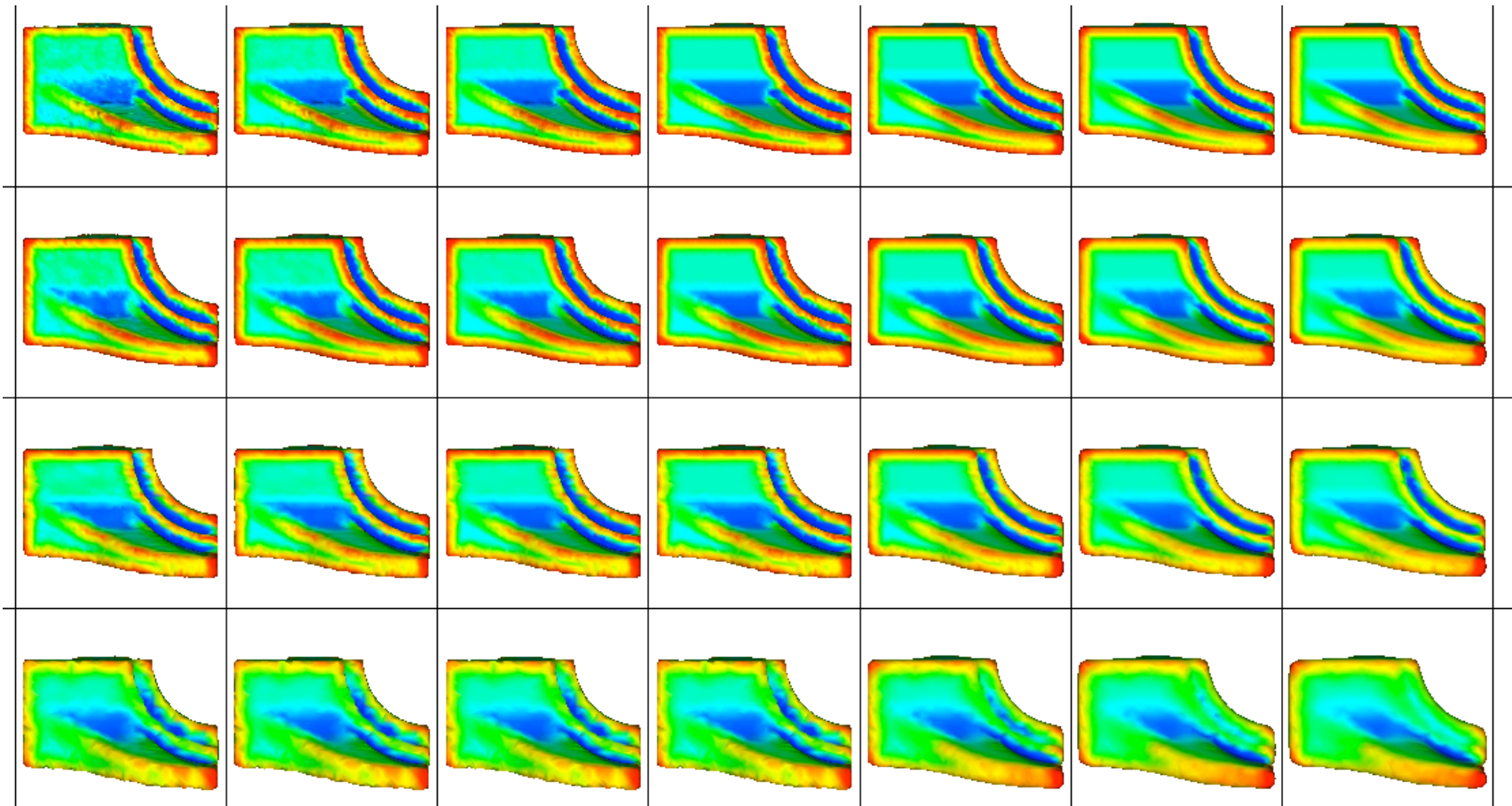
Area.

From left to right, top to bottom, high res (1-7) to low res (22-28), noisy to smooth



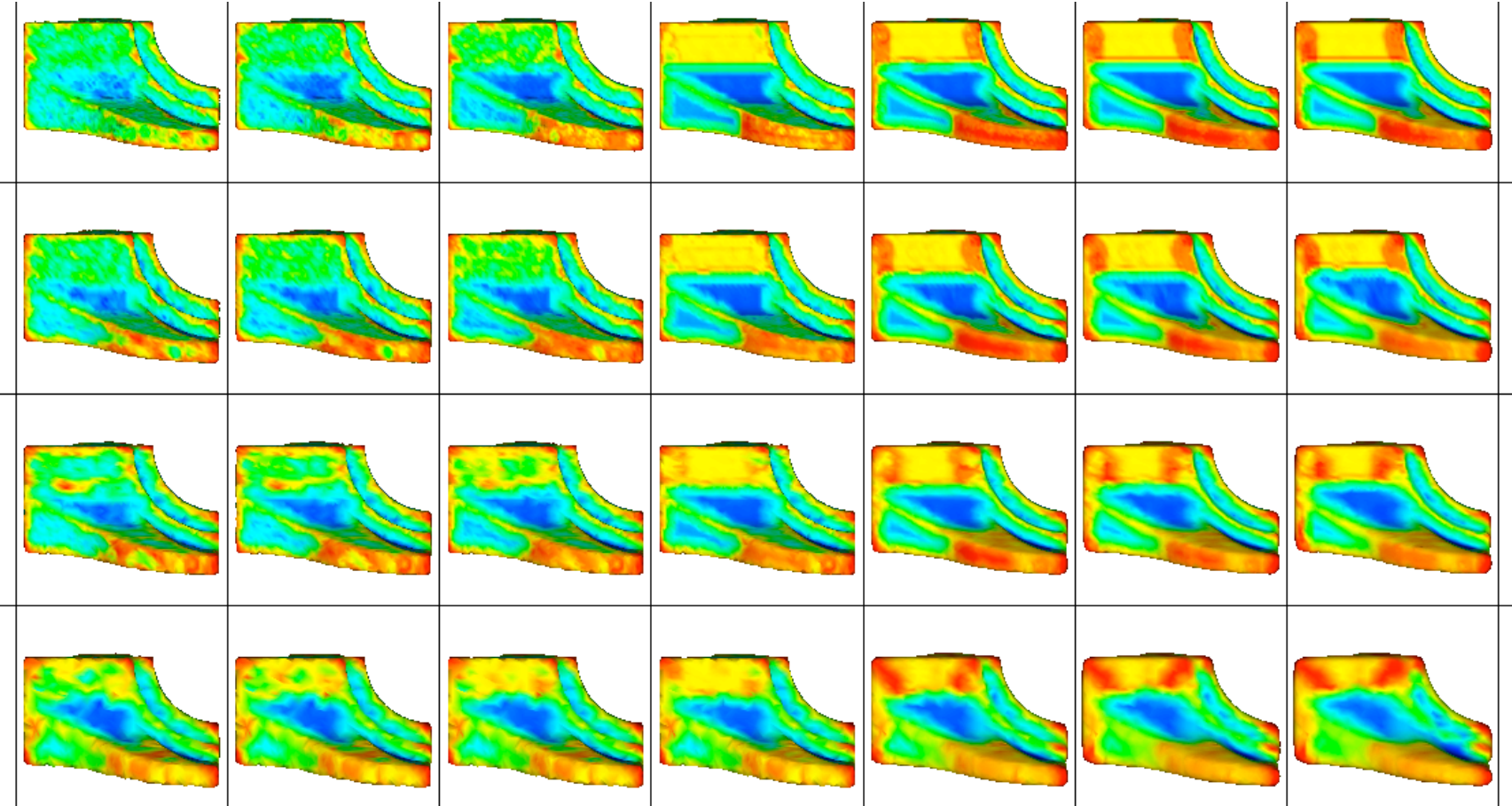
Mean, distribution.

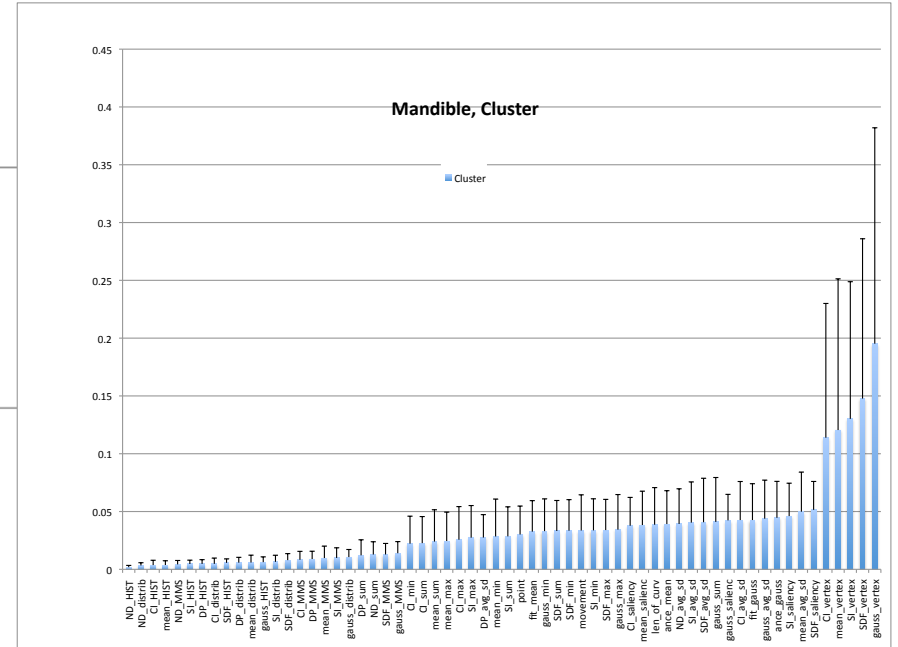
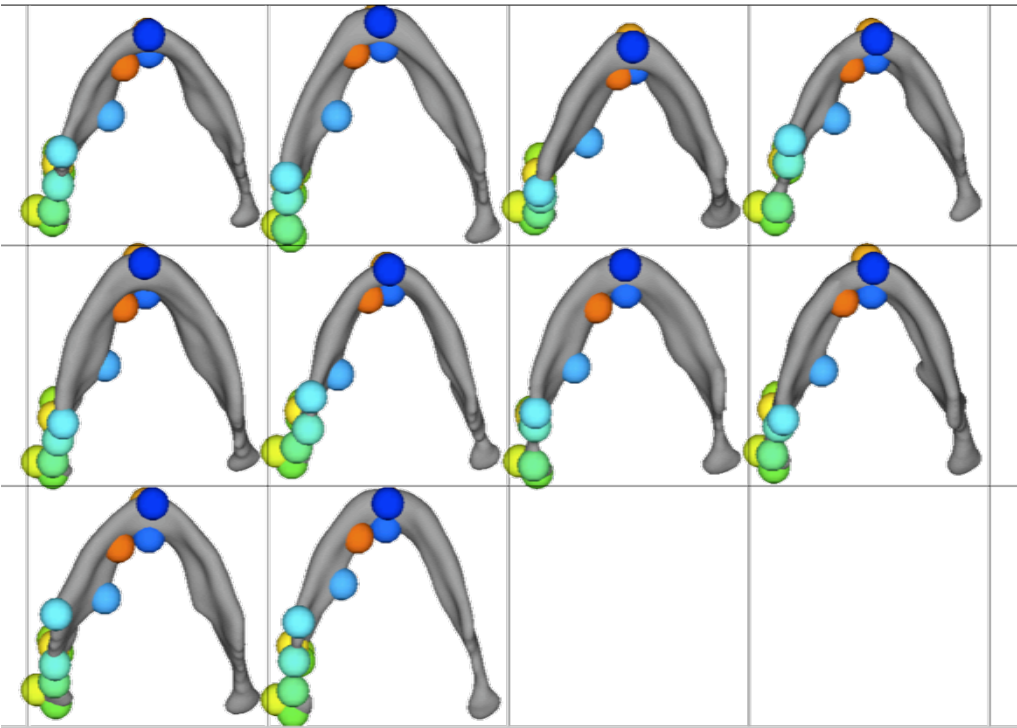
From left to right, top to bottom, high res (1-7) to low res (22-28), noisy to smooth



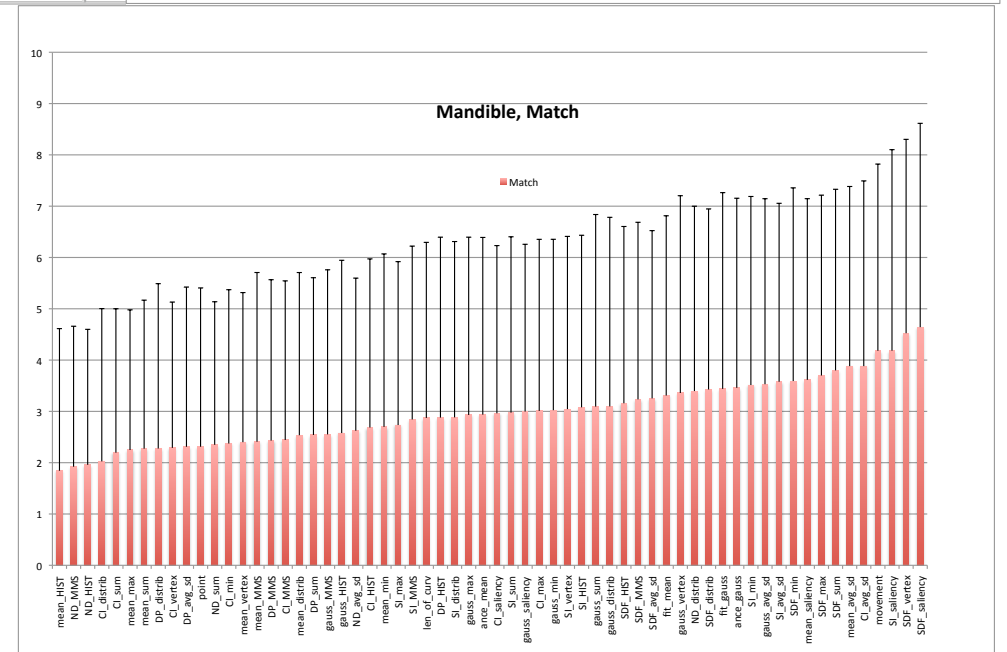
Shape index, min max sum.

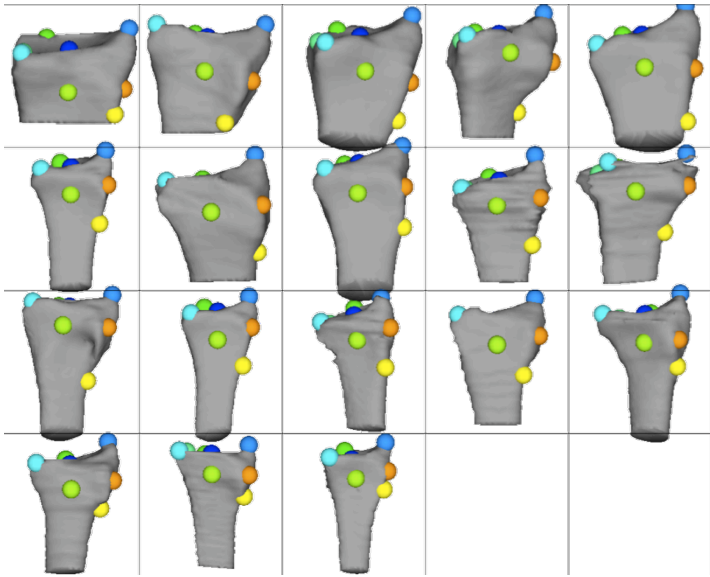
From left to right, top to bottom, high res (1-7) to low res (22-28), noisy to smooth



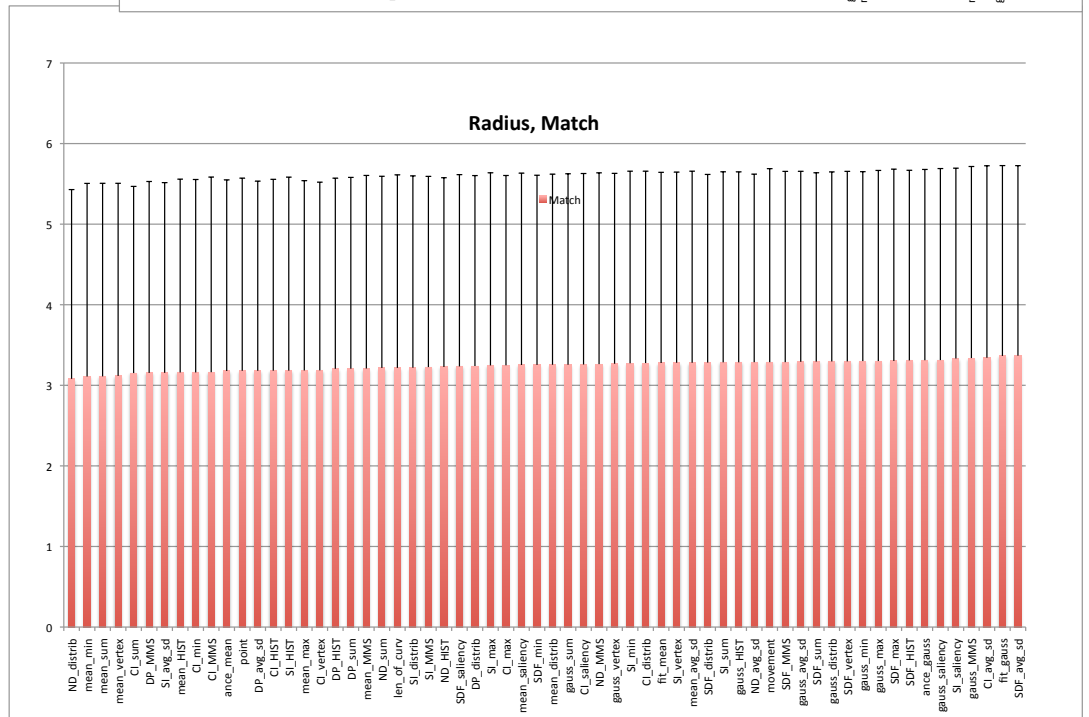
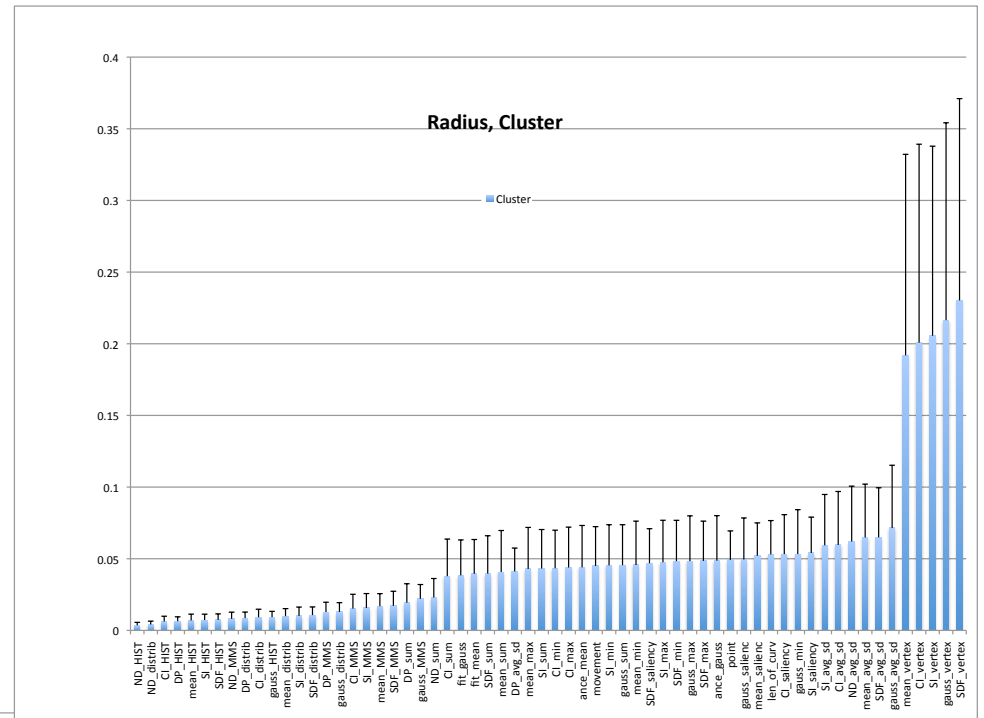


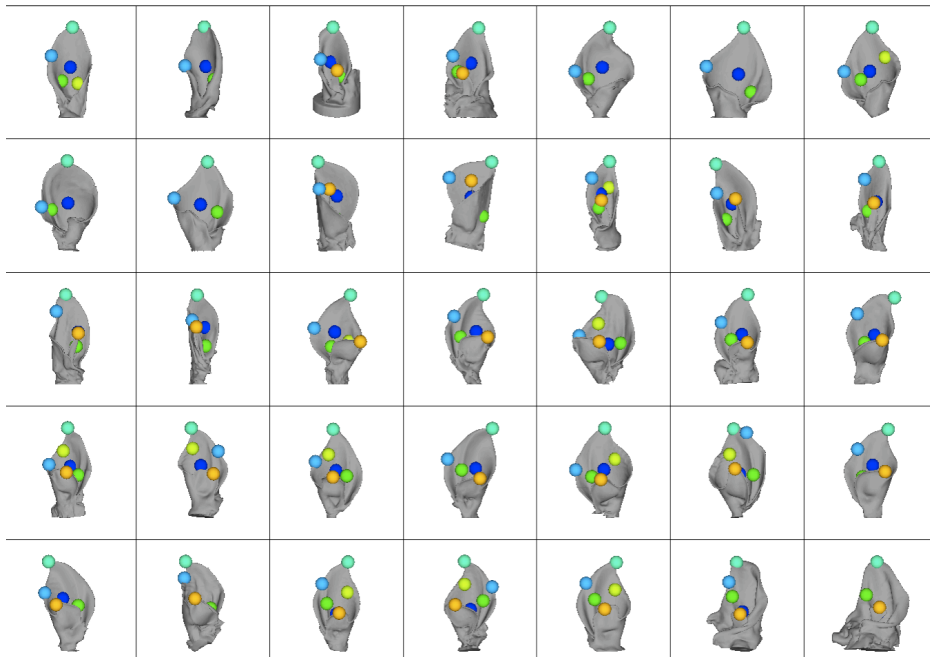
Mandible feature points. Only the left side was used. Dots of the same color are in the same set. Average match error, 2.97



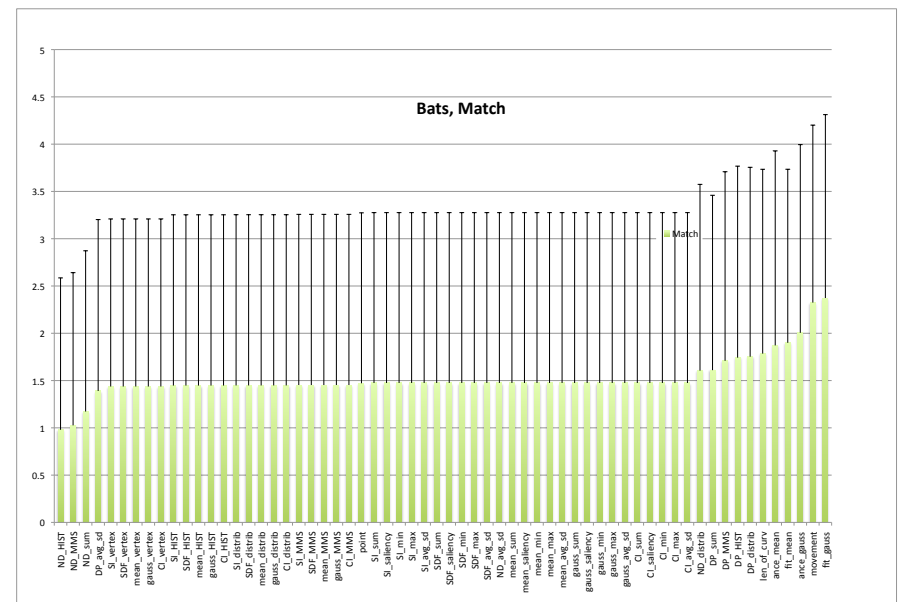
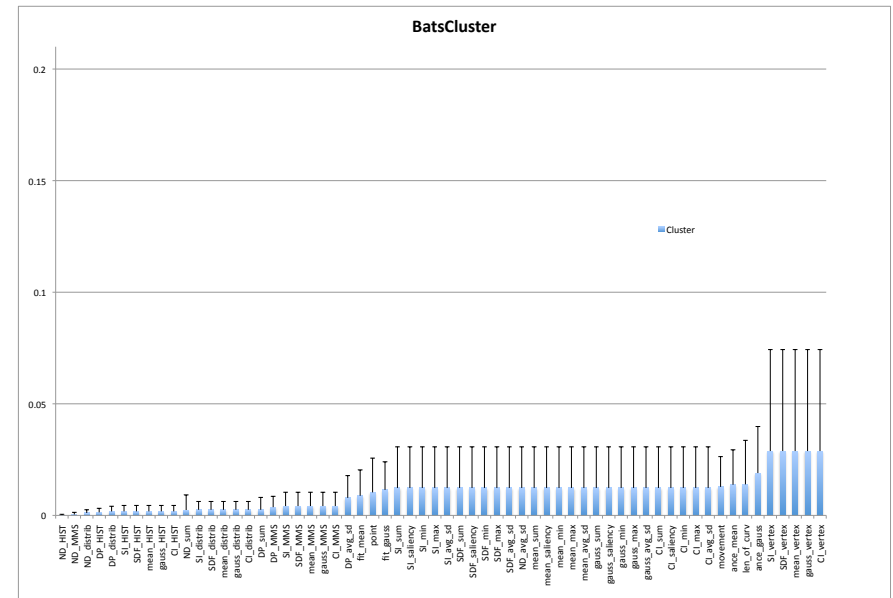


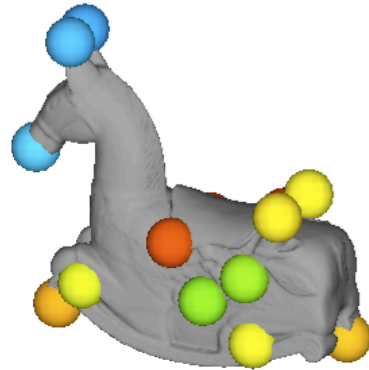
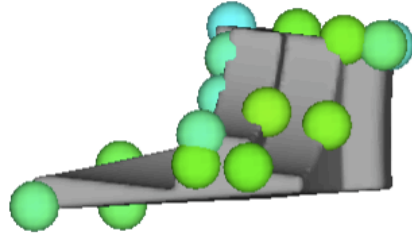
Radius feature points.
 Dots of the same color
 are in the same set.
 Average match error
 3.24



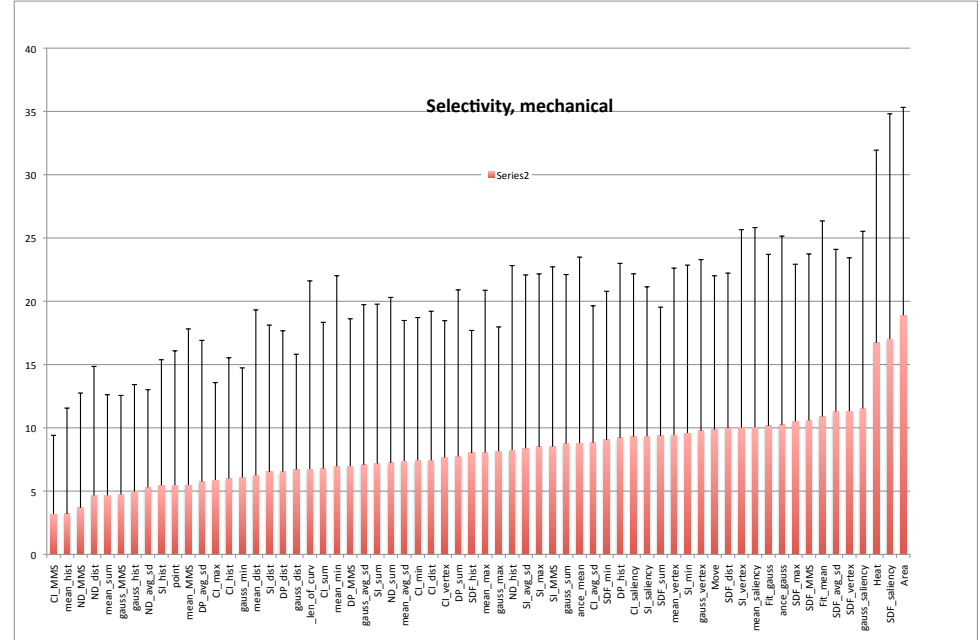
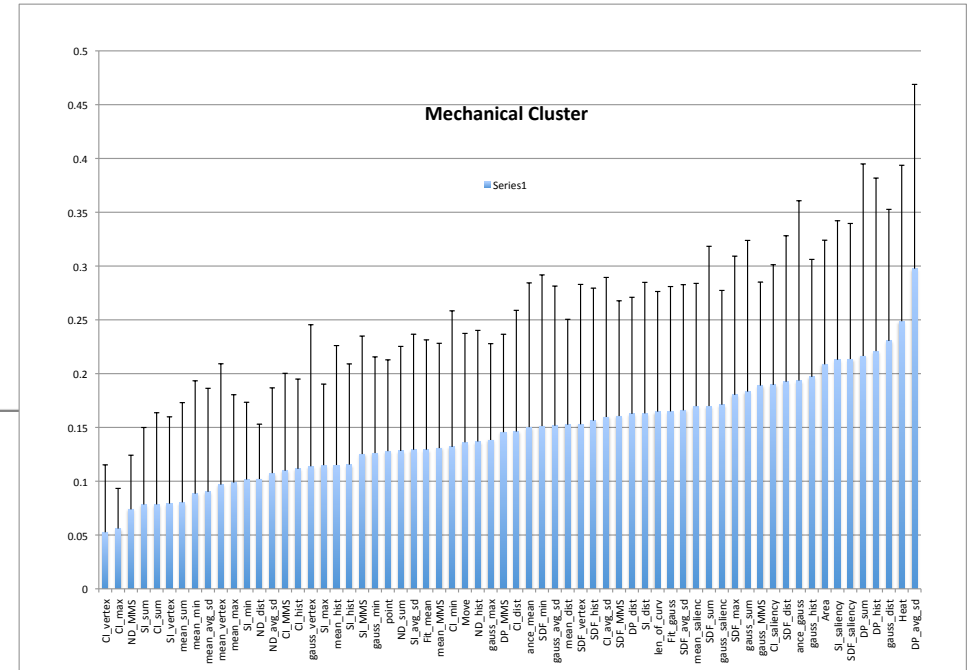


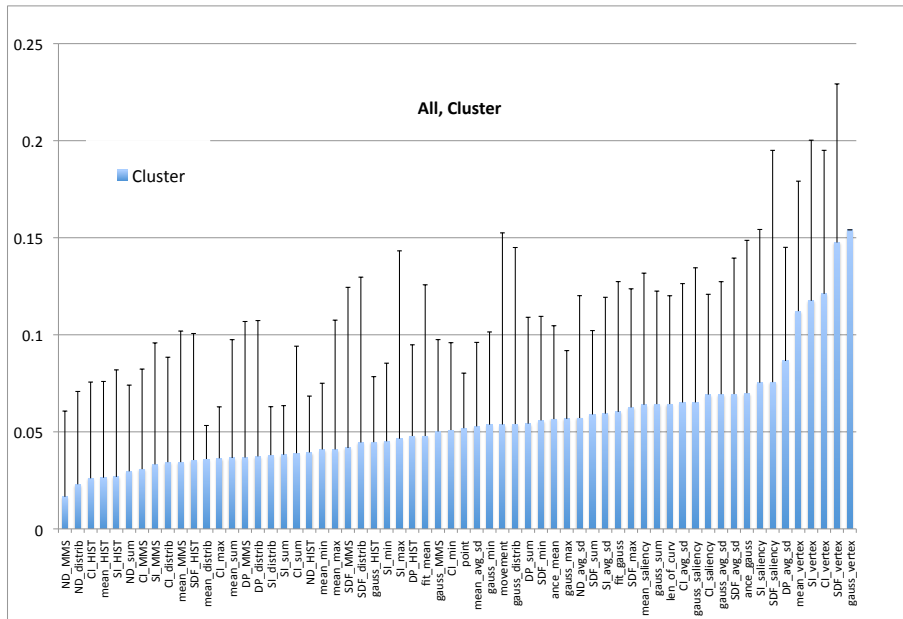
Bat ear feature points.
 Dots of the same color
 are in the same set;
 not all ears have the
 same features. Average
 match 1.5



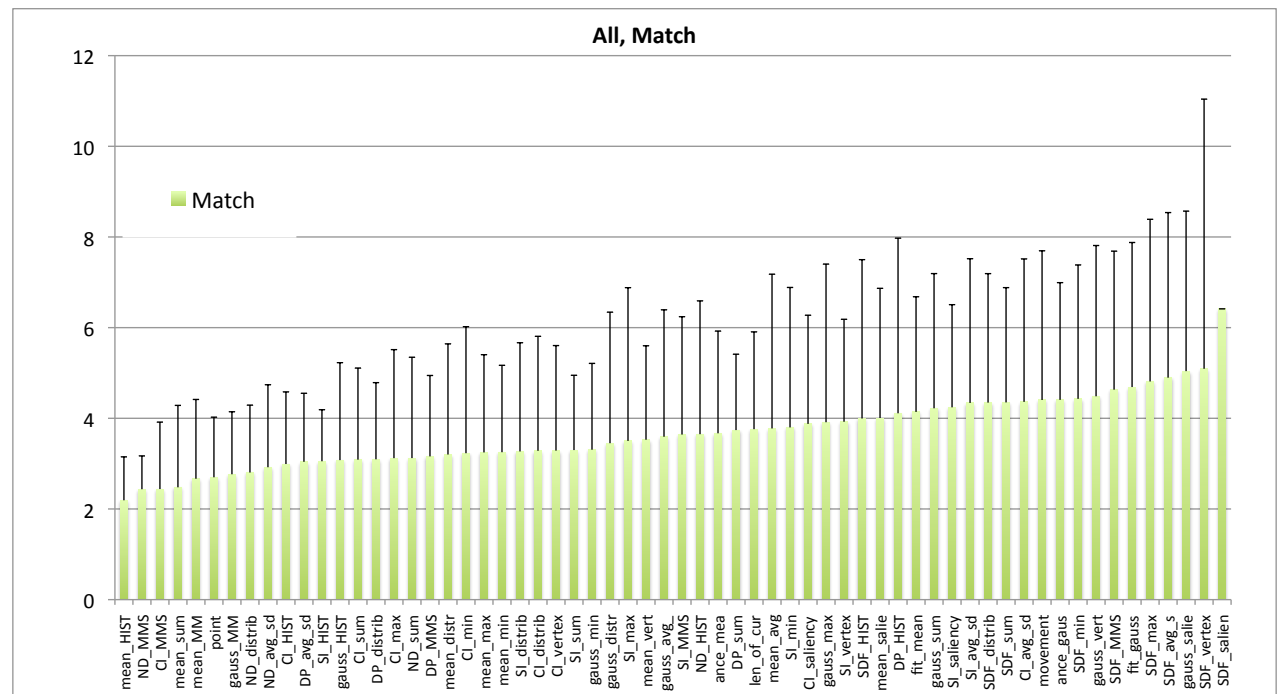


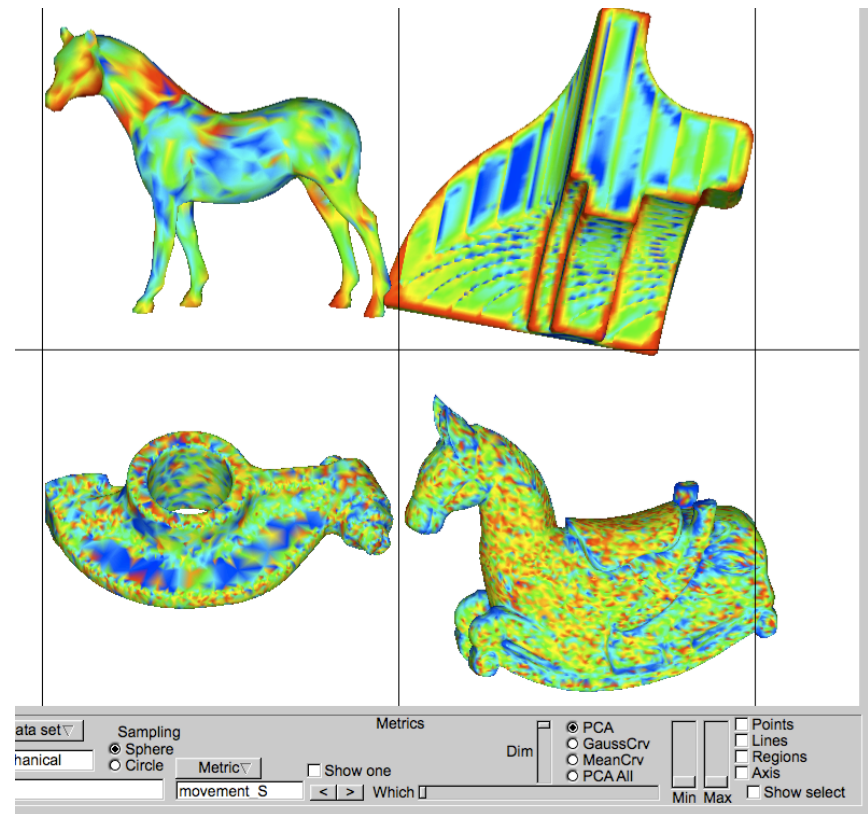
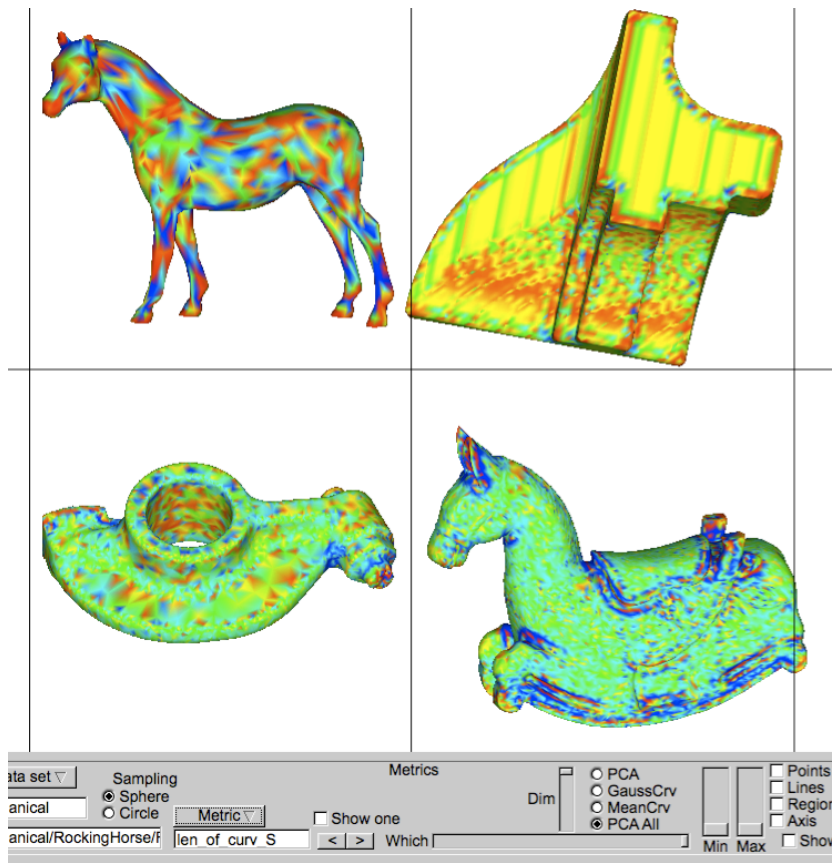
Man-made parts: Hooves, legs, ears, nose, straight edges, outer curves, corners, inner curves, flat, pommel, sword, rocker dent, rocker bottom



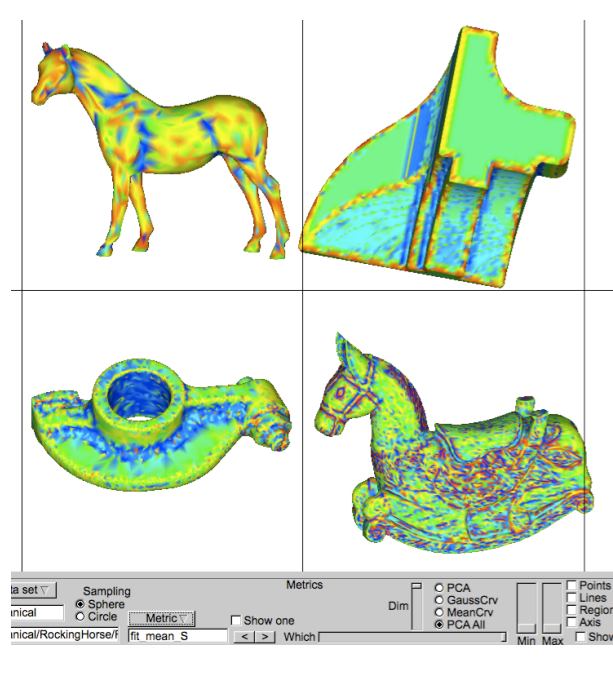
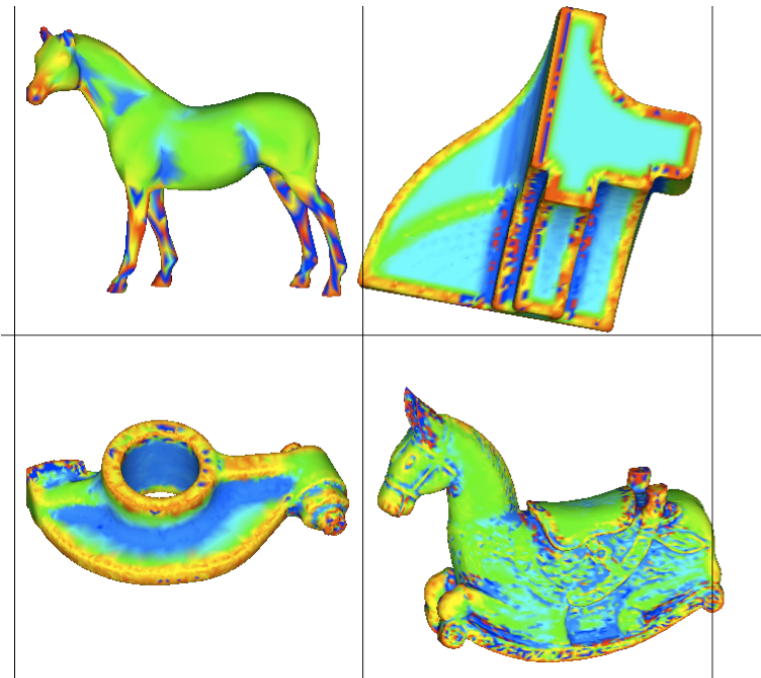


Note: We were unable to get the heat code to work on all of the meshes so it is not included here





Descriptor name at bottom left of image
 Length of curve, Movement



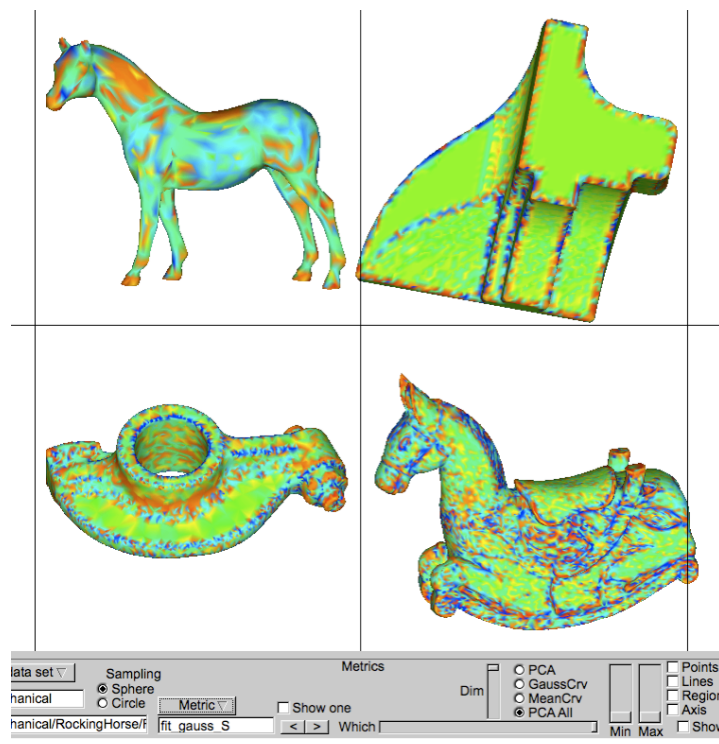
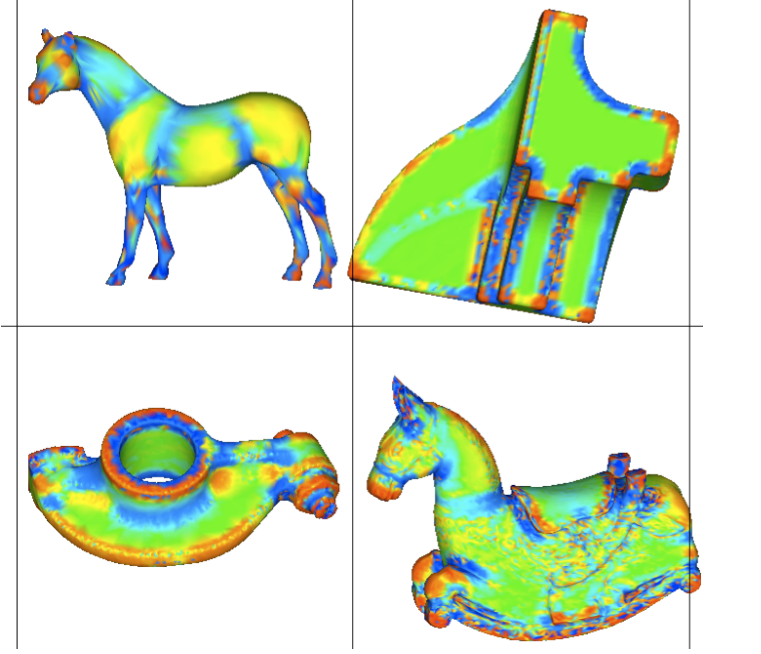
Left, ANCE mean
gauss
Right, Fit mean
gauss

Data set: Sampling: Sphere Circle Metric: Show one: Dim: PCA GaussCrv MeanCrv PCAAll Points Lines Region Axis Show s

nical/RockingHorse/f | fit_mean S | < | > | Which | Min Max

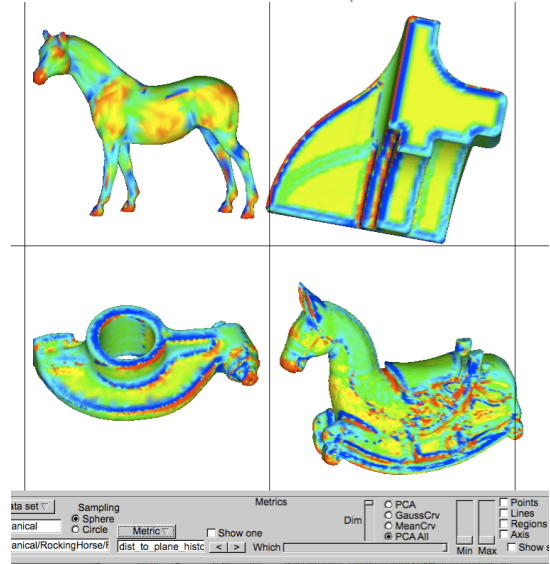
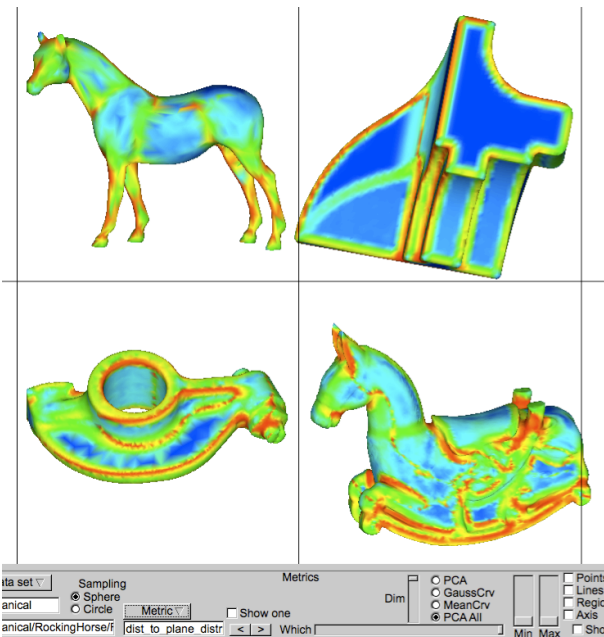
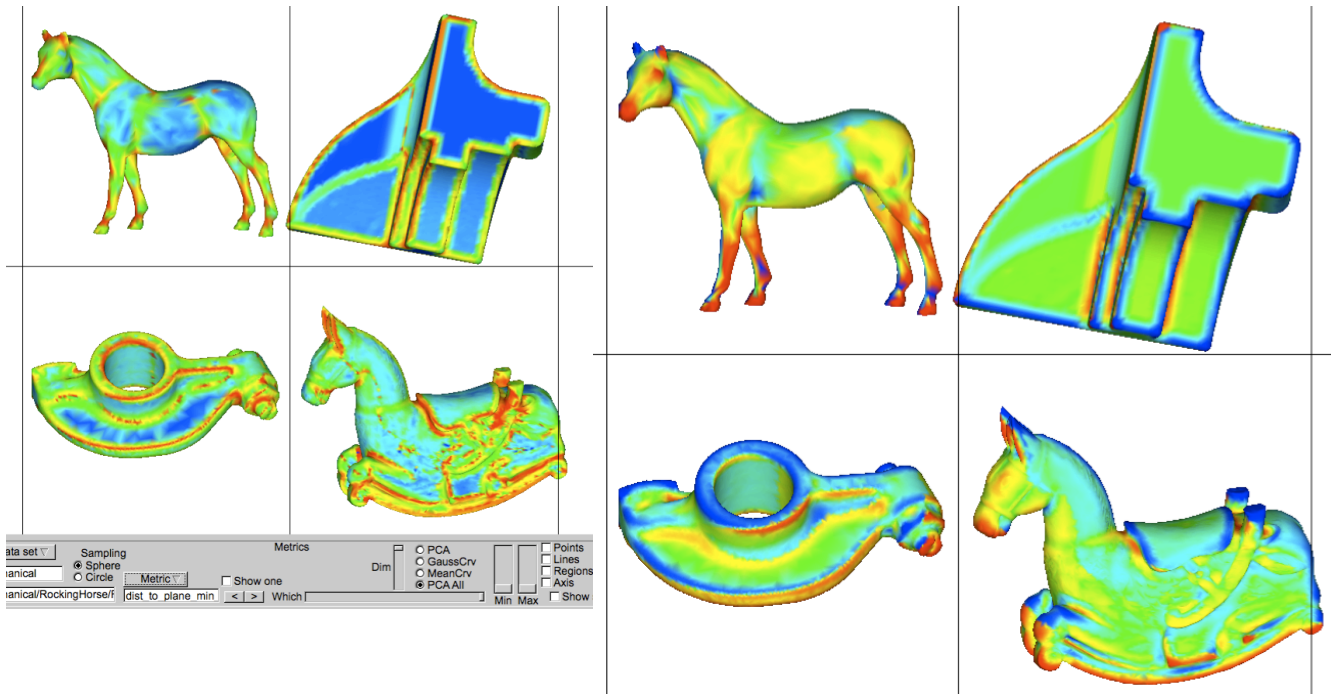
Data set: Sampling: Sphere Circle Metric: Show one: Dim: PCA GaussCrv MeanCrv PCAAll Points Lines Region Axis Show s

nical/RockingHorse/f | ance_mean S | < | > | Which | Min Max

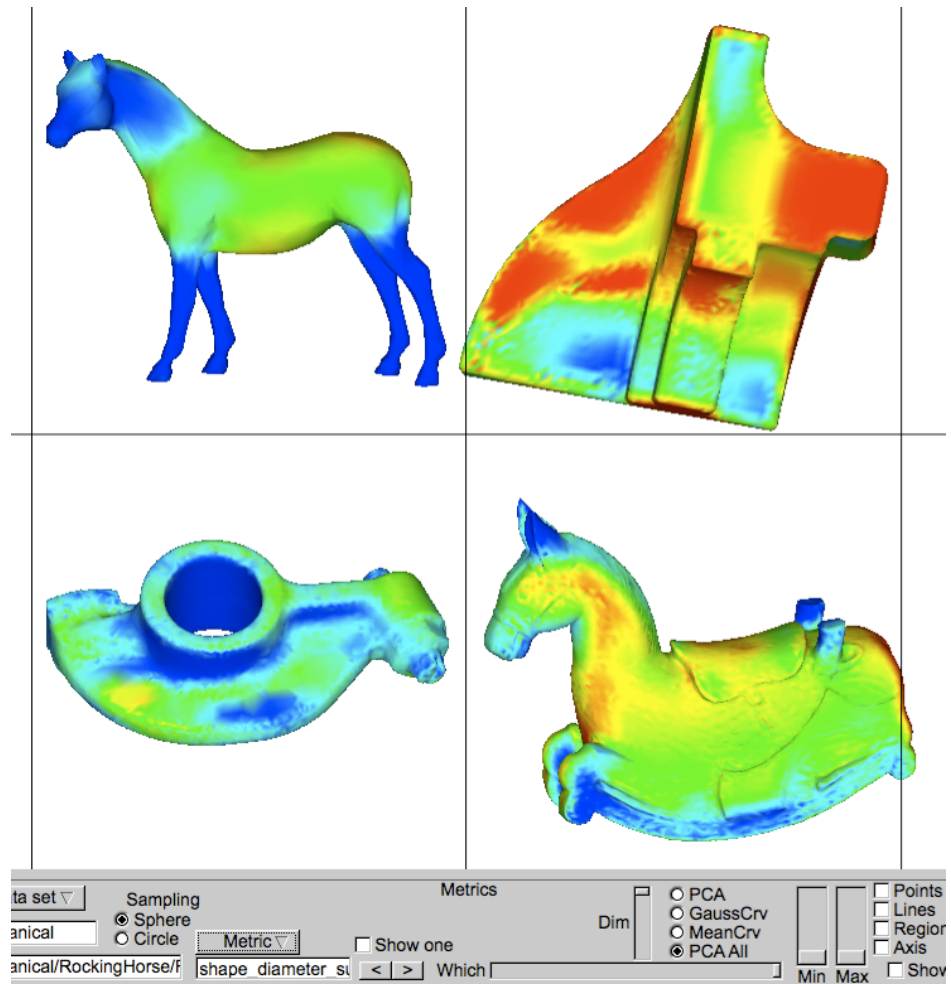
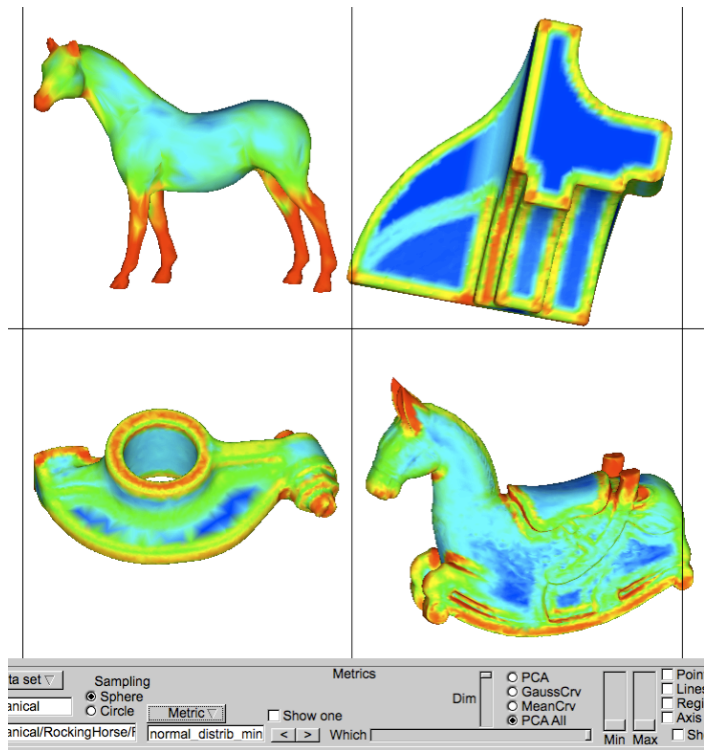


Data set: Sampling: Sphere Circle Metric: Show one: Dim: PCA GaussCrv MeanCrv PCAAll Points Lines Region Axis Show s

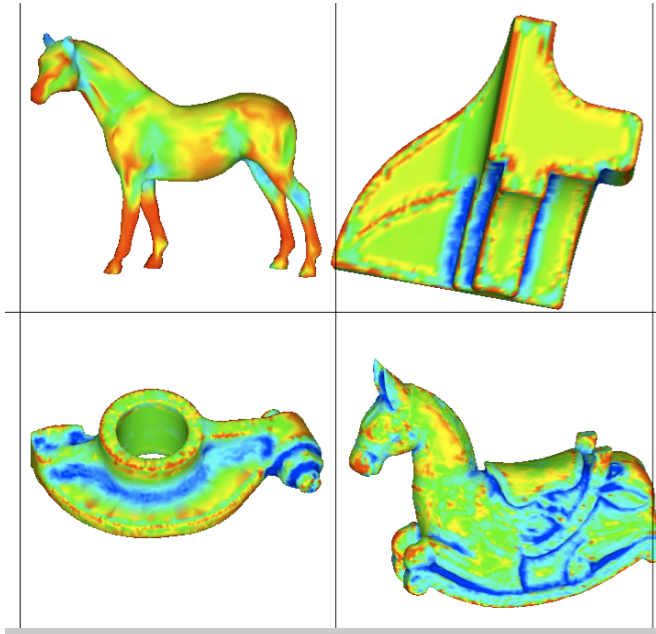
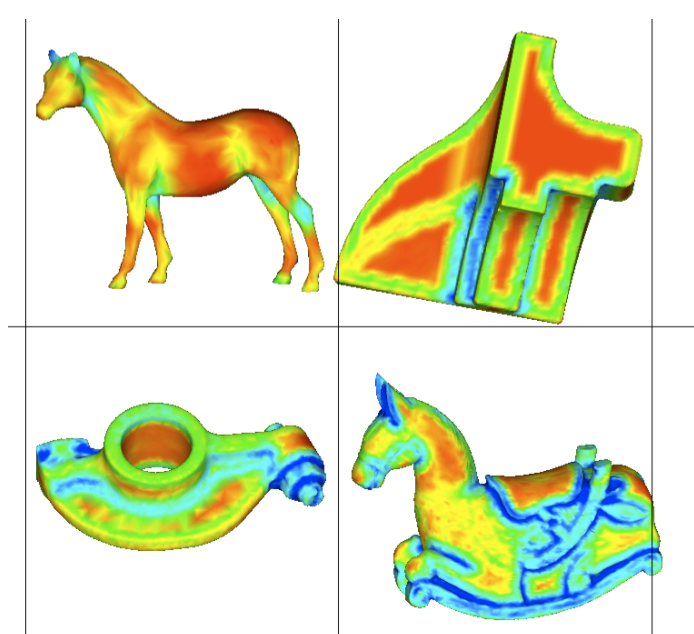
nical/RockingHorse/f | fit_gauss S | < | > | Which | Min Max



Distance to plane, min, sum, dist, hist



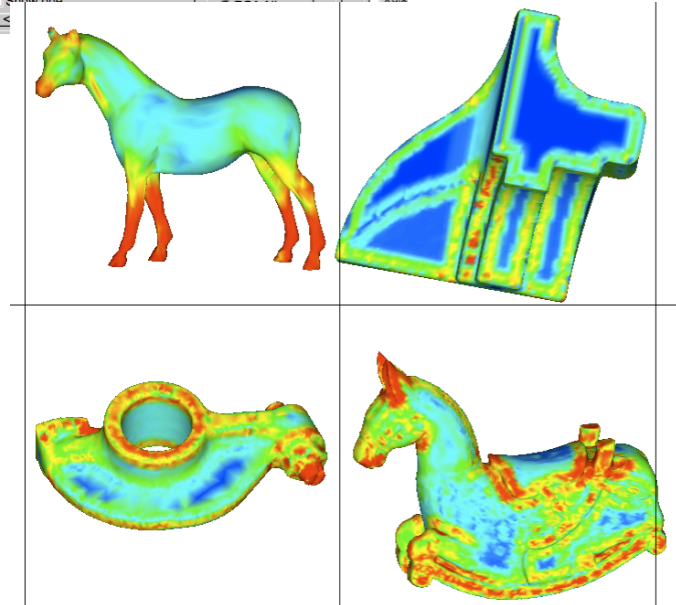
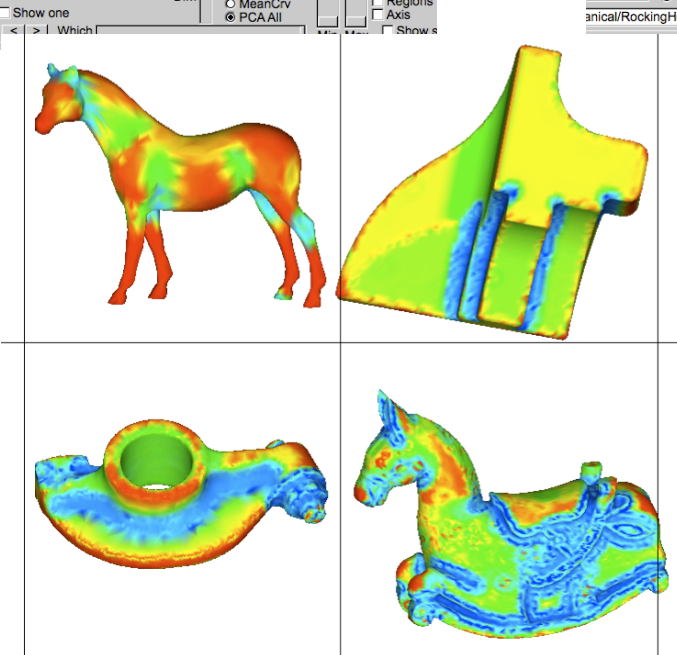
Normal distribution, Shape diameter



Mean,
Curve index

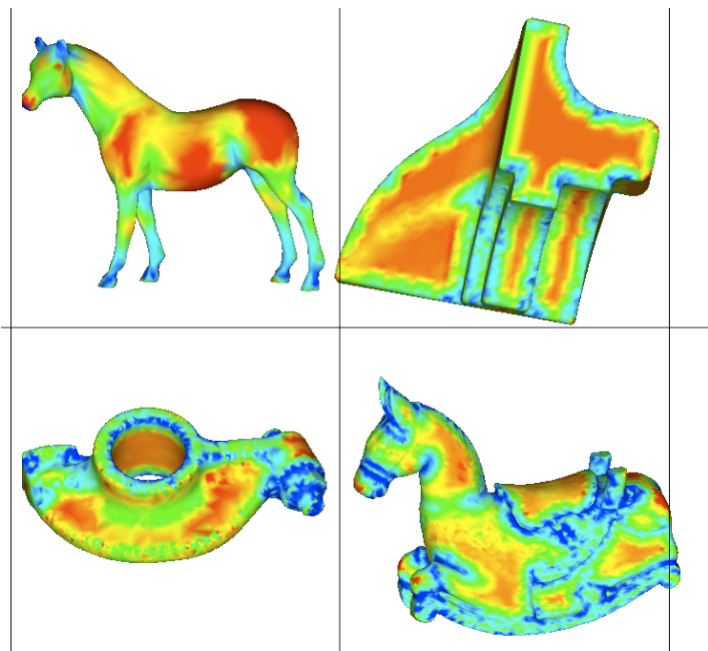
Data set: Sampling: Sphere Circle Metric: Show one:
 Metrics: PCA GaussCrv MeanCrv PCAAll Points Lines Regions Axis Shows

Data set: Sampling: Sphere Circle Metric: Show one:
 Metrics: PCA GaussCrv MeanCrv PCAAll Points Lines Regions Axis Shows



Data set: Sampling: Sphere Circle Metric: Show one:
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 Min Max Sho

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 Min Max Sho

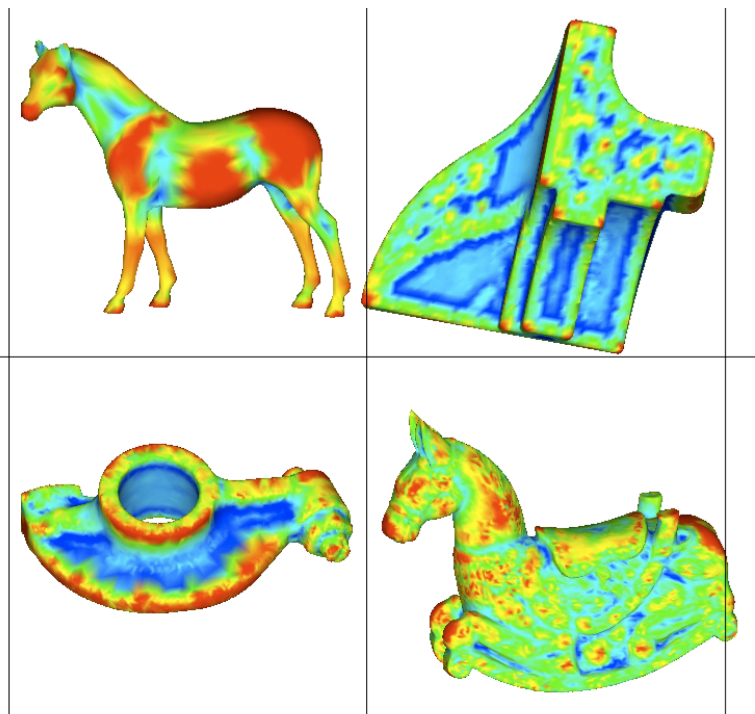


Gauss,
Shape index

Sampling Sphere Circle Metric Show one Which

Metrics: PCA GaussCrv MeanCrv PCAAll

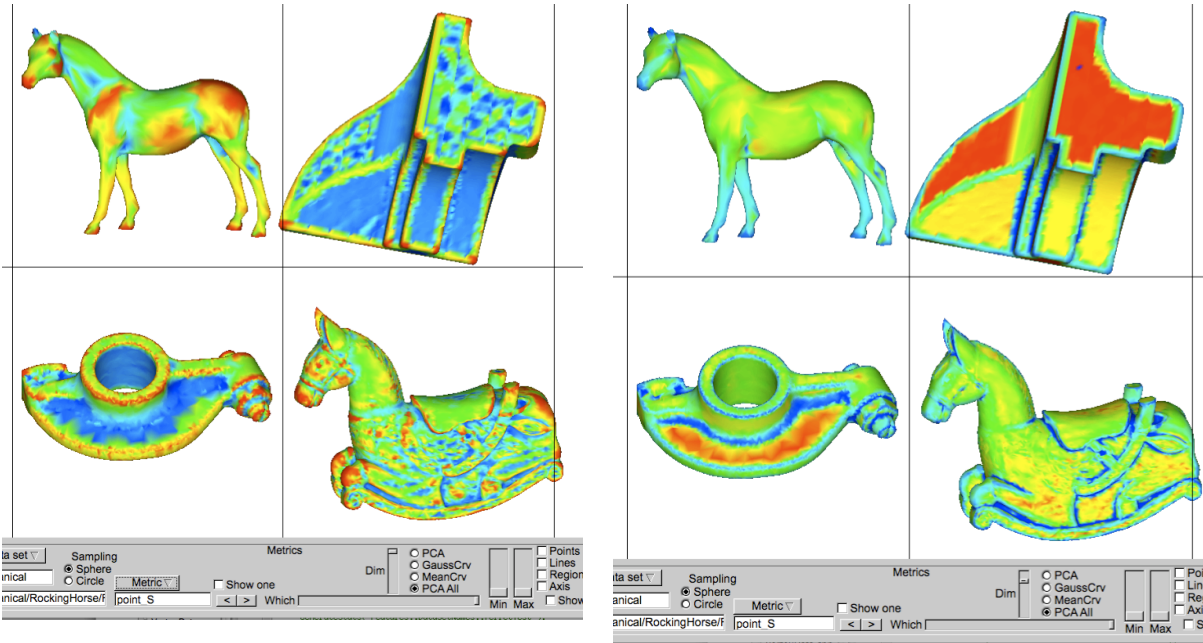
Points Lines Regions Axis Show



Sampling Sphere Circle Metric Show one Which

Metrics: PCA GaussCrv MeanCrv PCAAll

Points Lines Regions Axis Show



Point, first four dimensions

