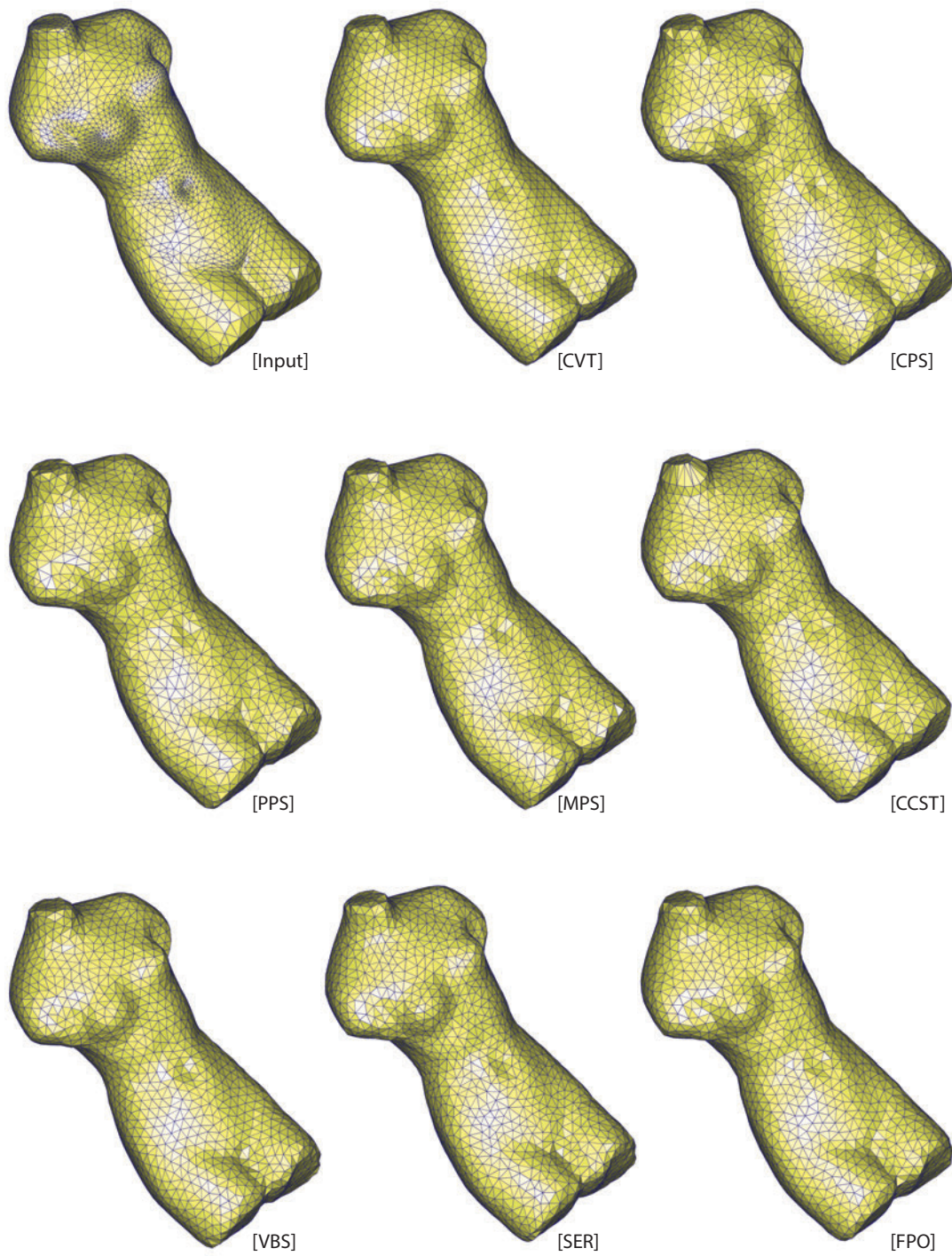
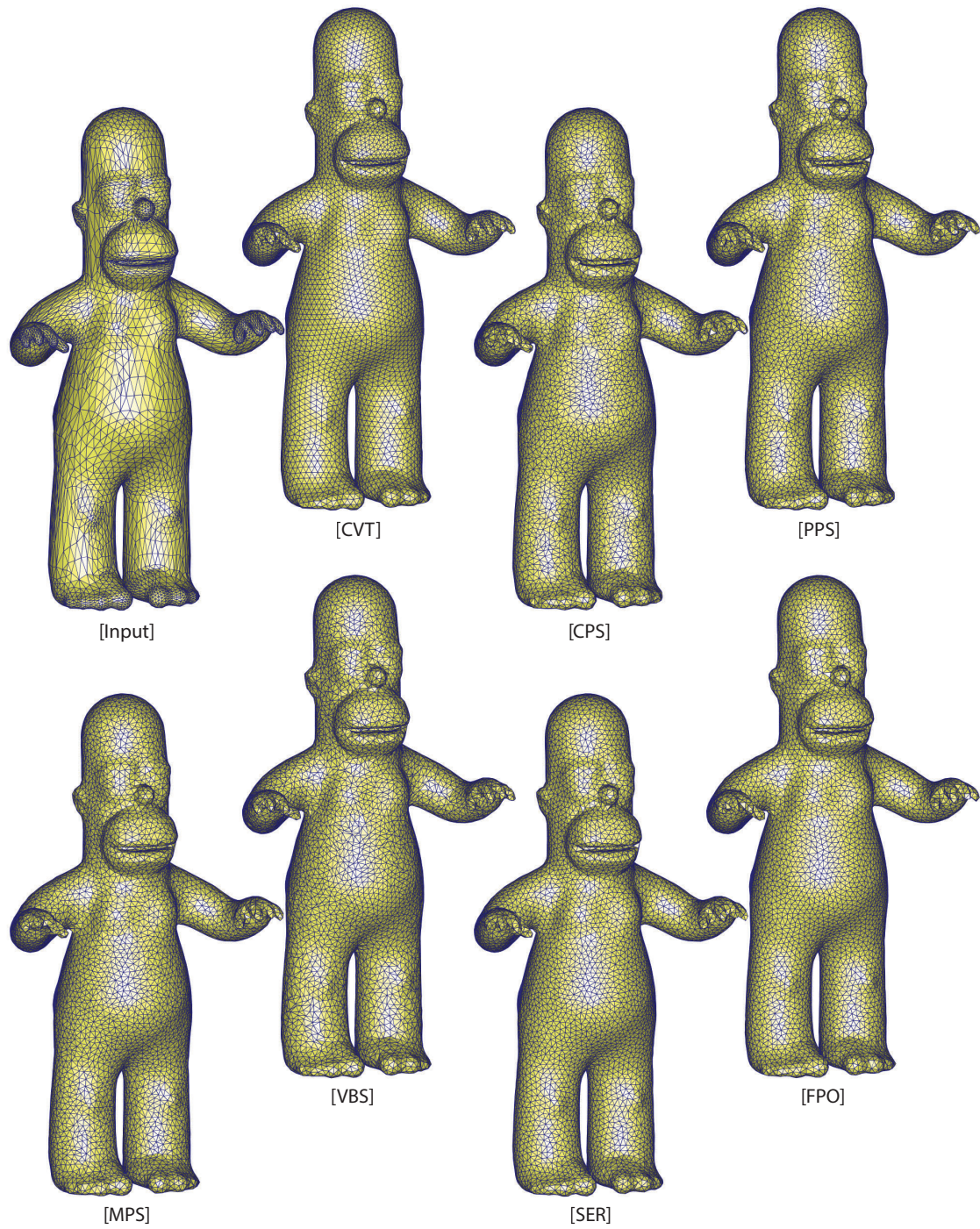


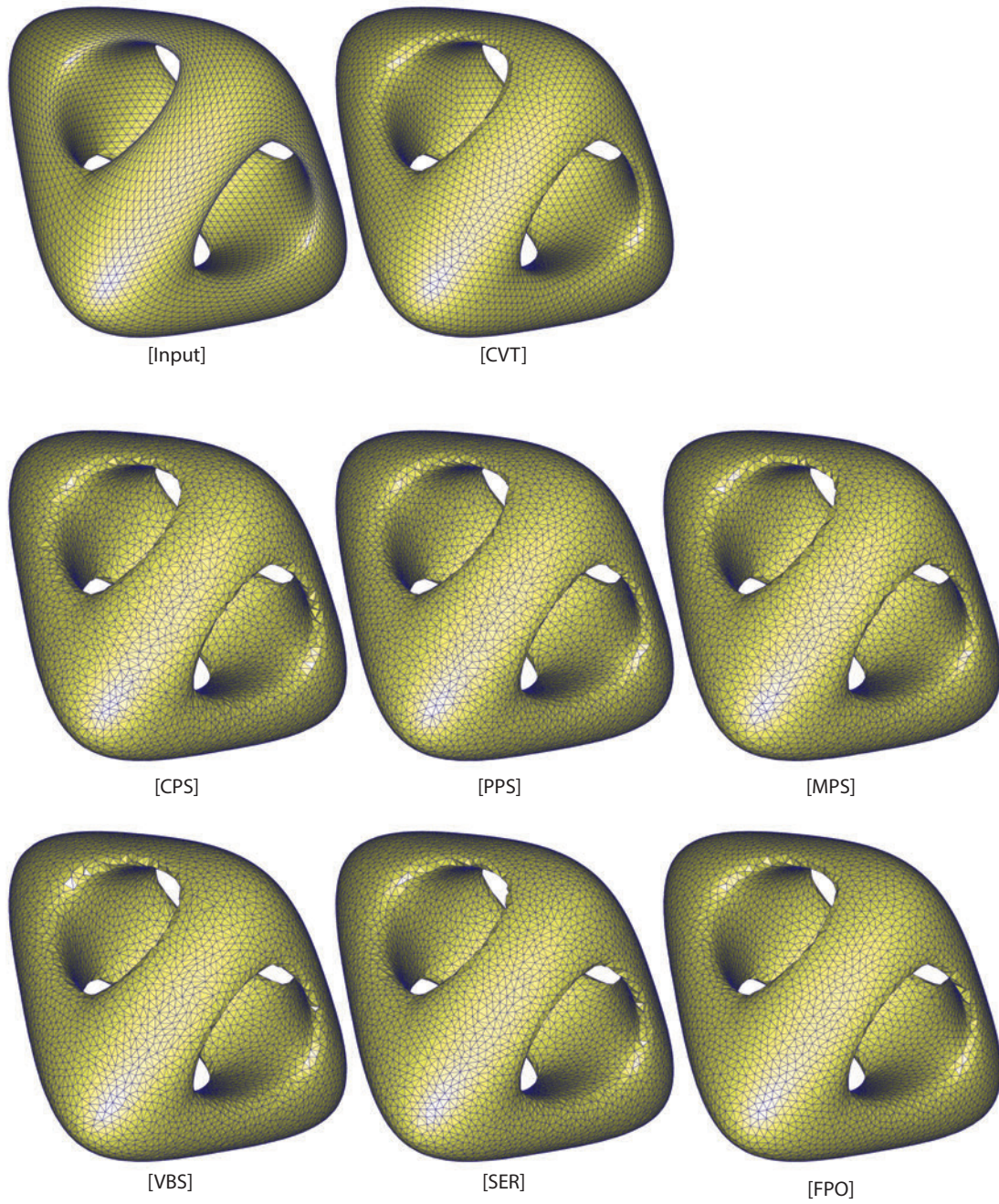
**Figure 1:** Uniform remeshing results of the Eight model.



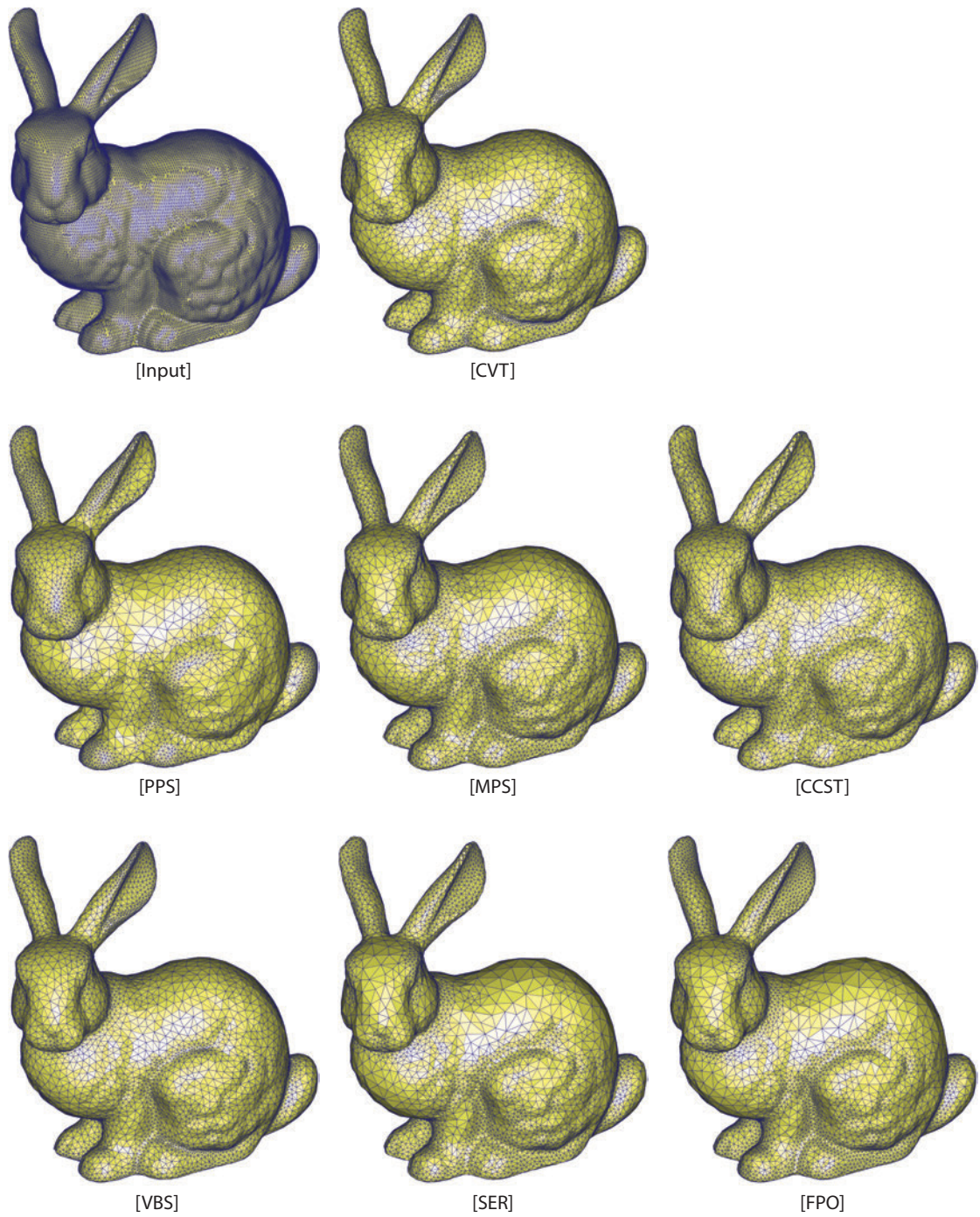
**Figure 2:** Uniform remeshing results of the Venus model.



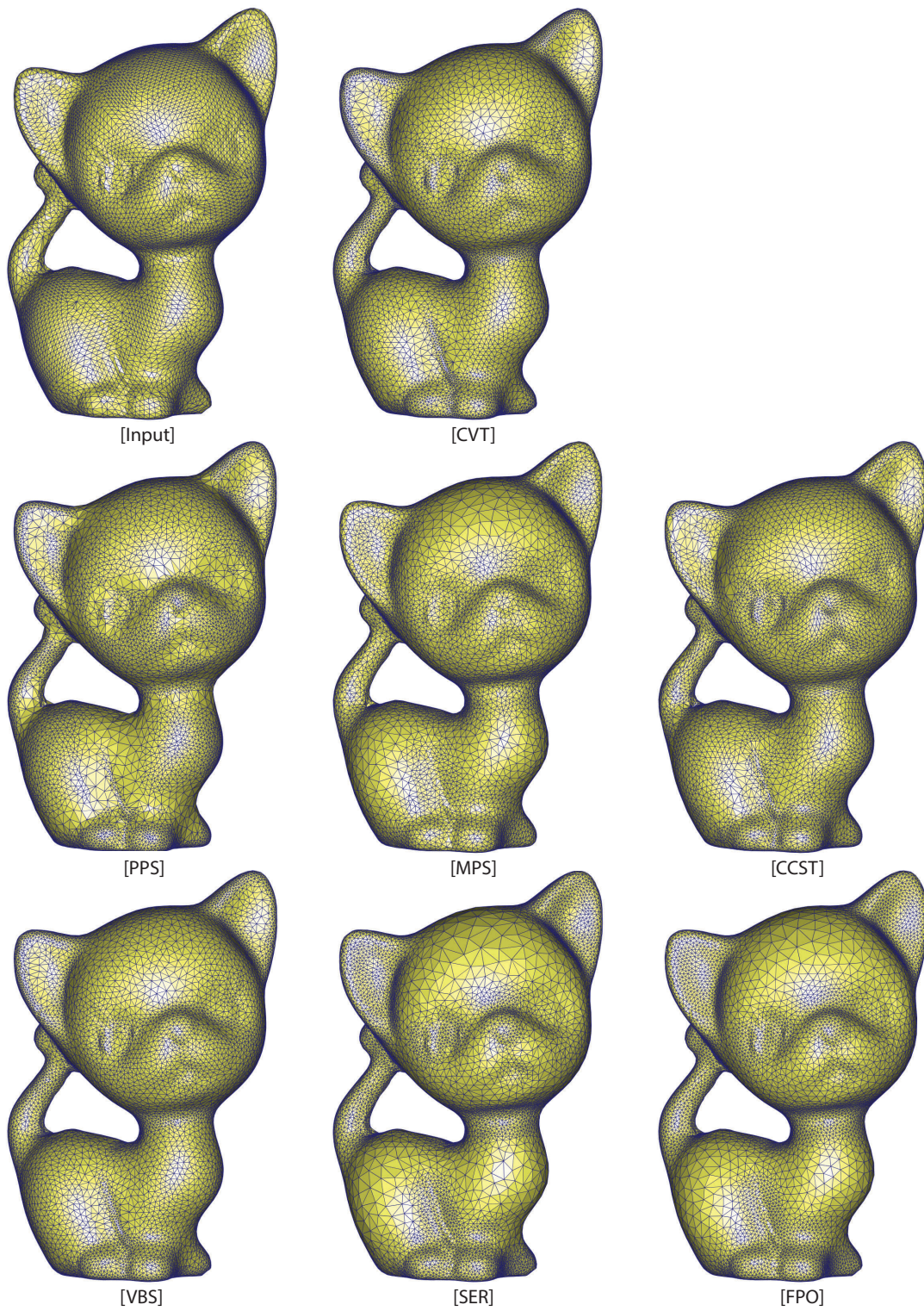
**Figure 3:** Uniform remeshing results of the Homer model.



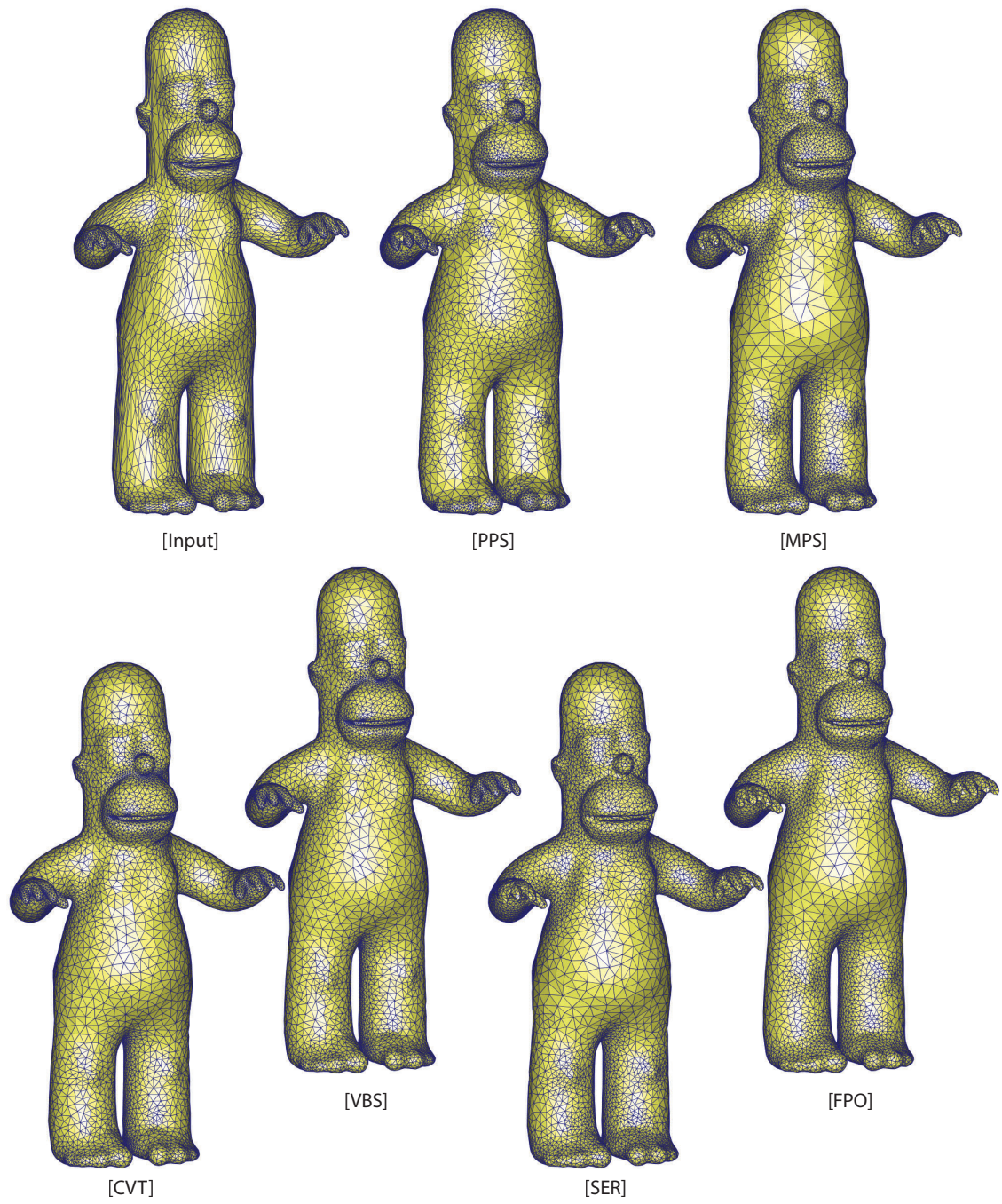
**Figure 4:** Uniform remeshing results of the Genus3 model.



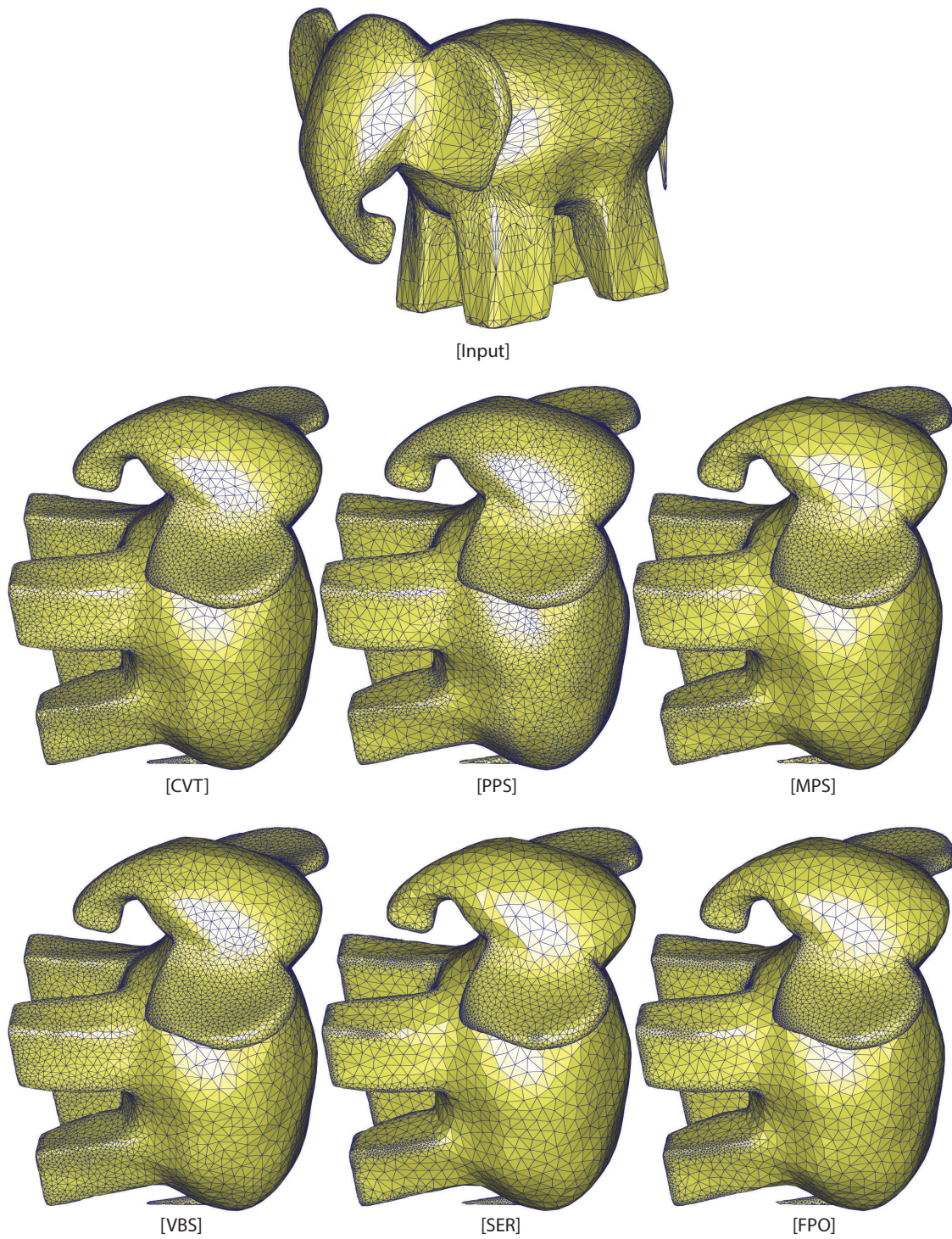
**Figure 5:** Adaptive remeshing results of the Bunny model.



**Figure 6:** Adaptive remeshing results of the Kitten model.

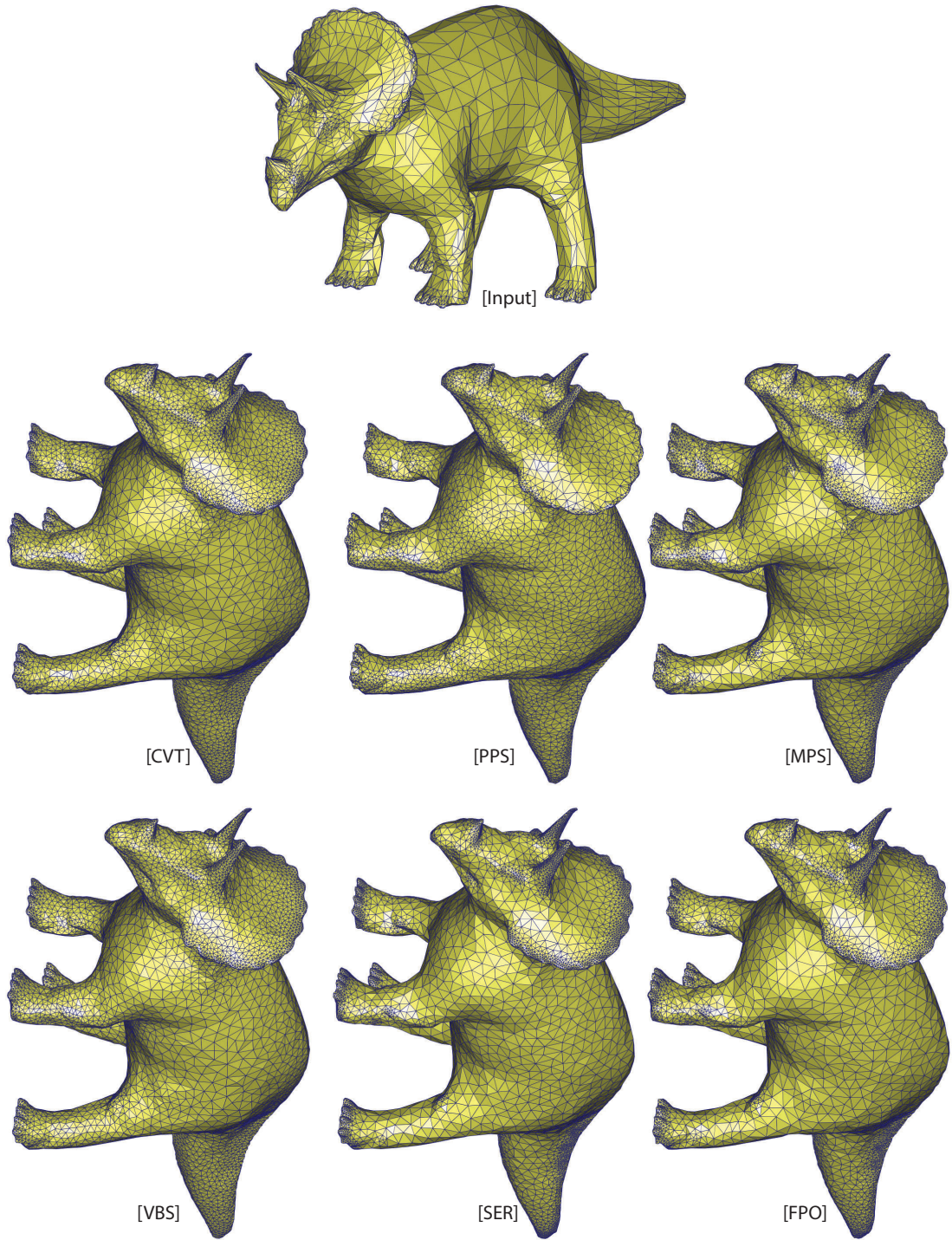


**Figure 7:** Adaptive remeshing results of the Homer model.

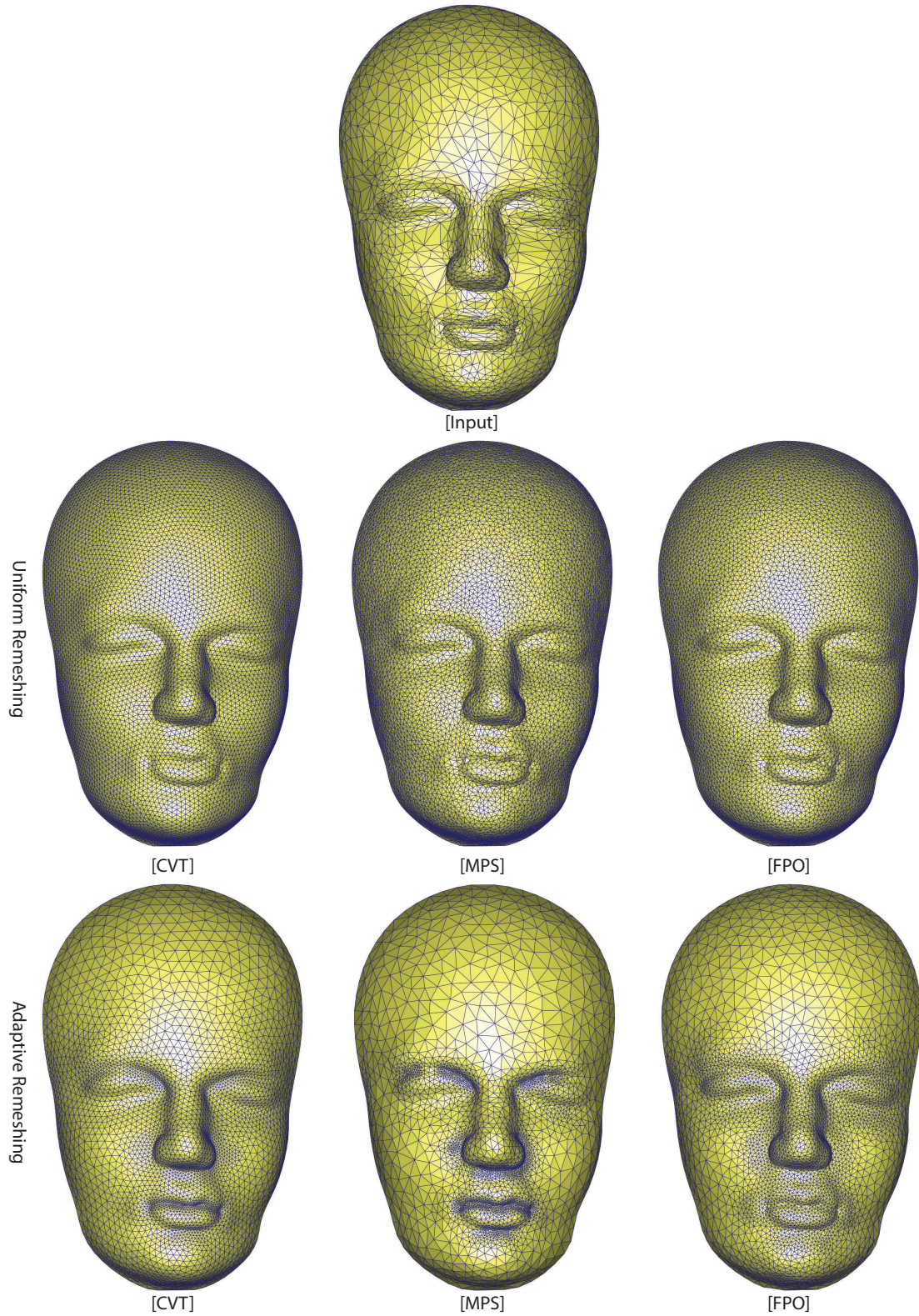


**Figure 8:** Adaptive remeshing results of the Elephant model.

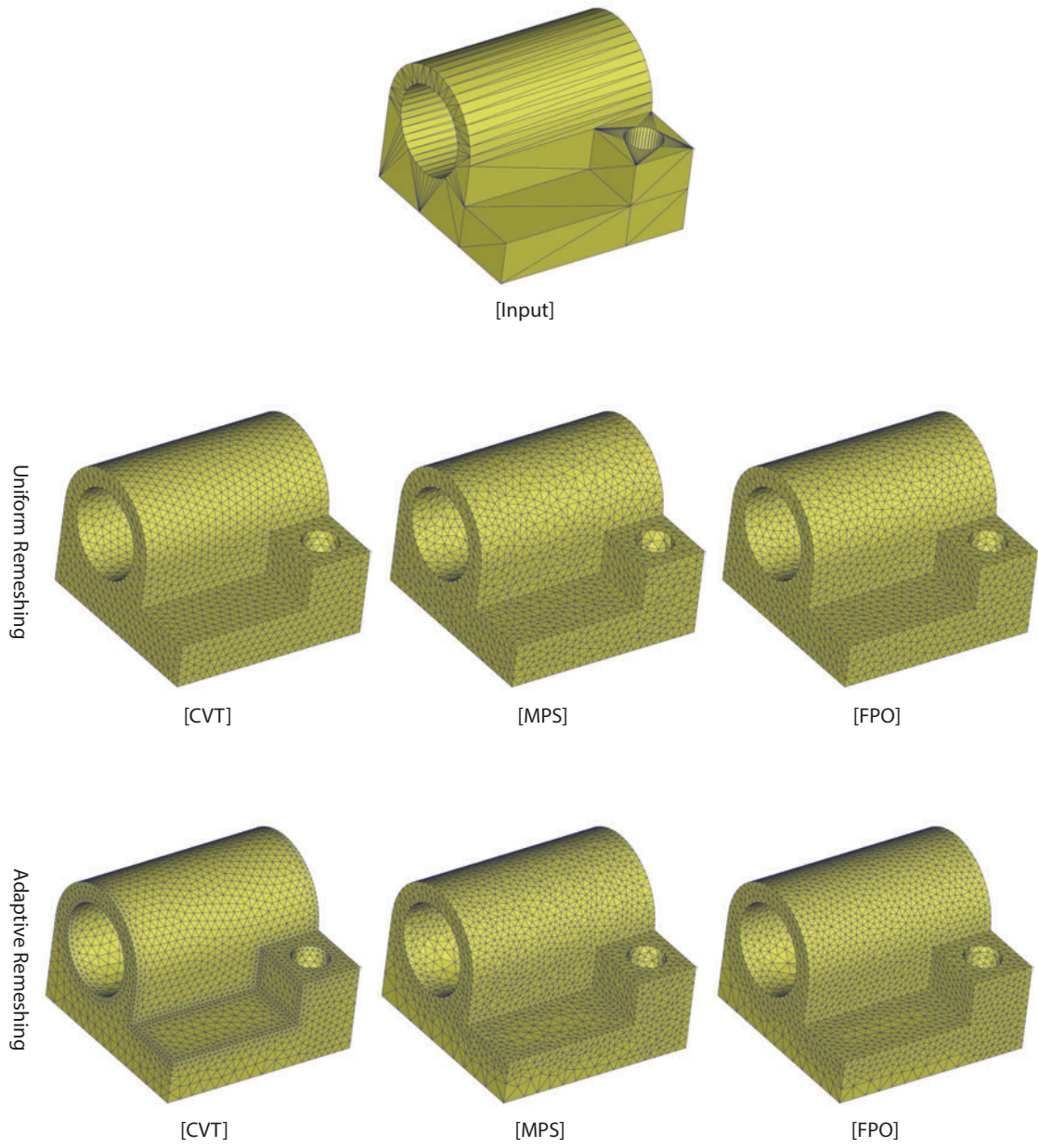




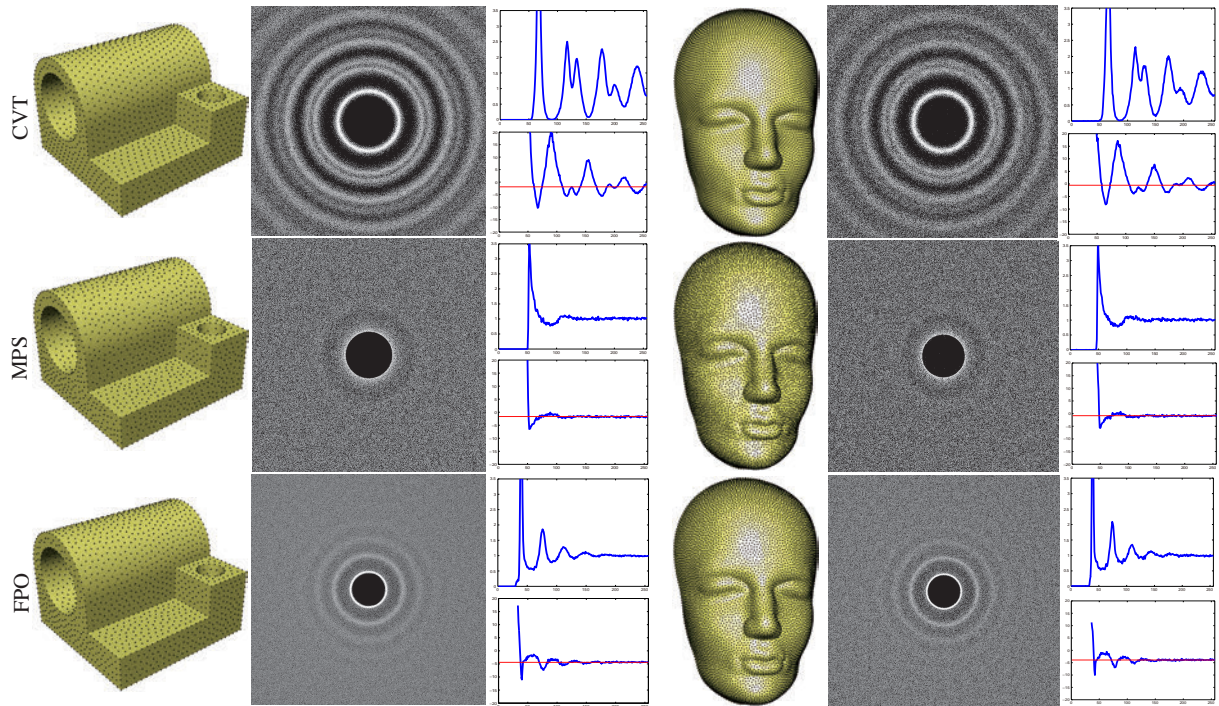
**Figure 9:** Adaptive remeshing results of the Triceratops model.



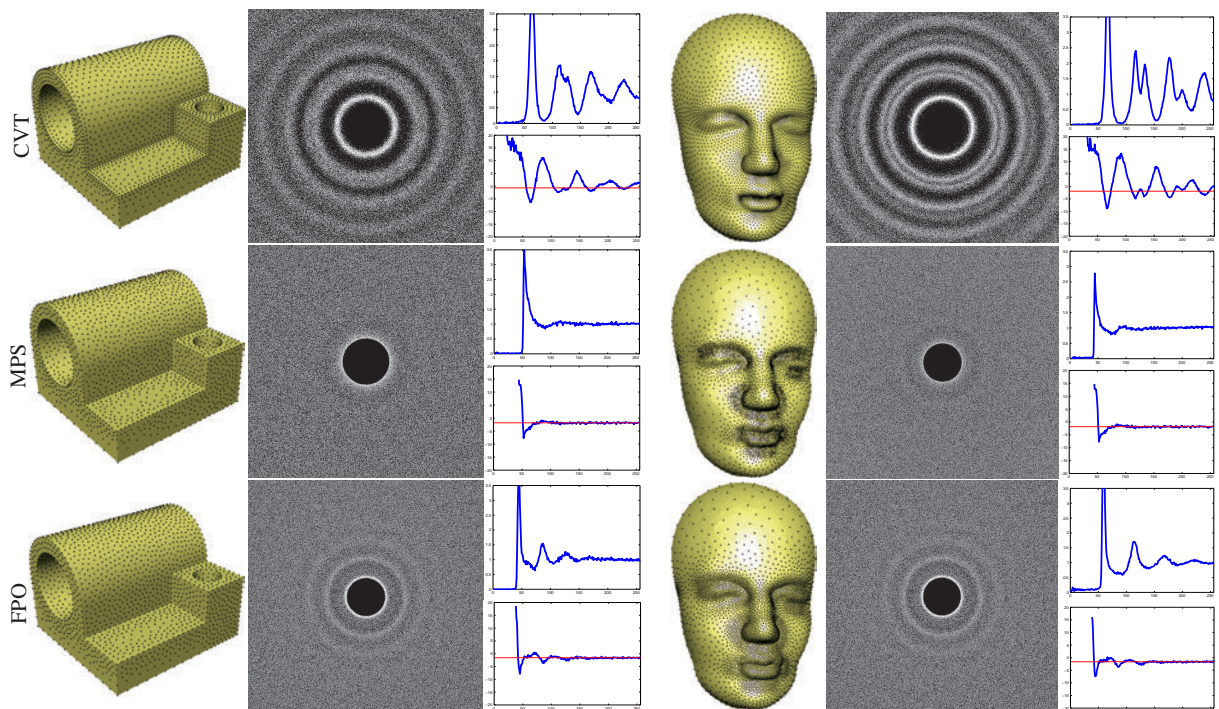
**Figure 10:** Boundary handling results of the Mask model.



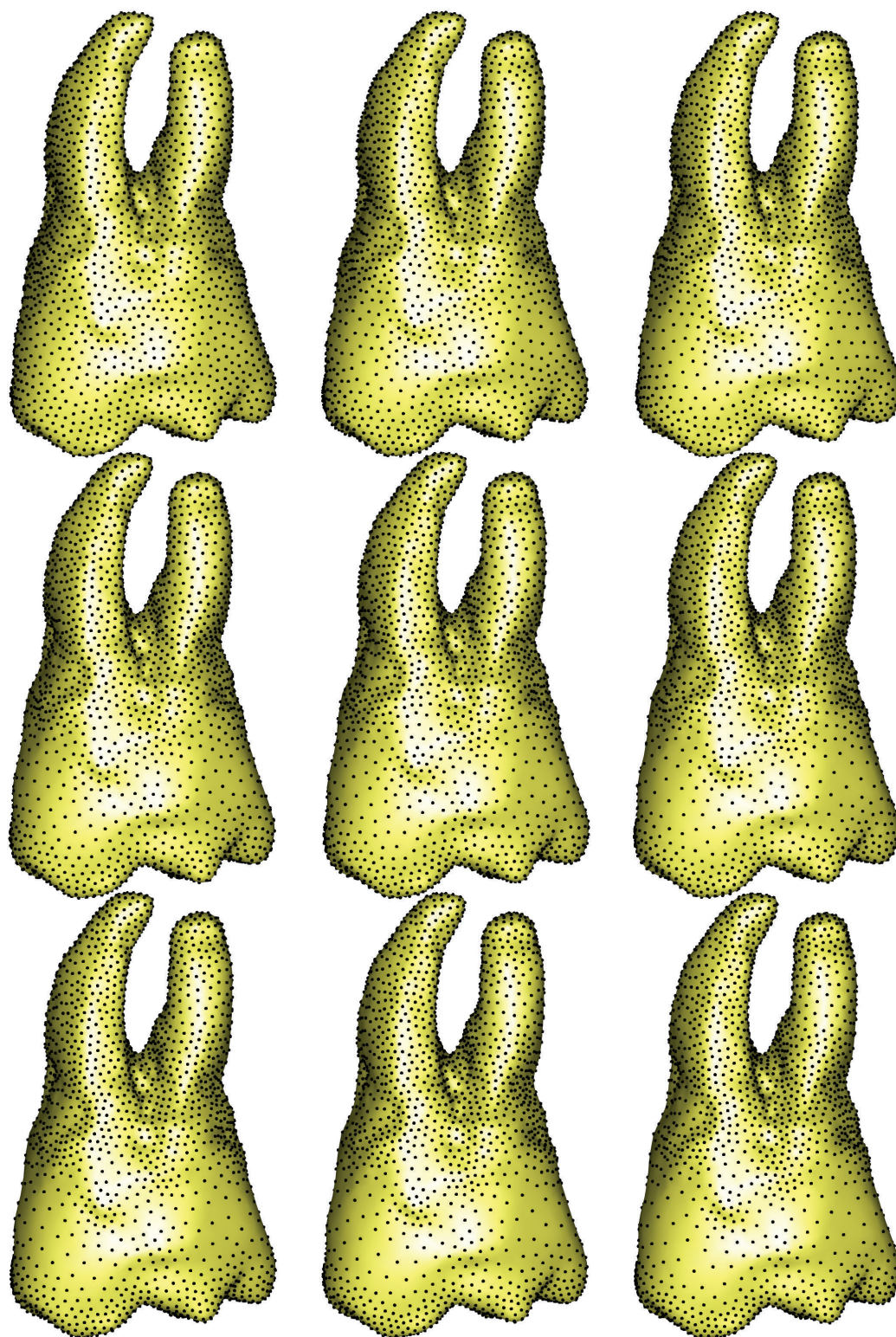
**Figure 11:** Feature preserving results of the Joint model.



**Figure 12:** Spectral analysis of the uniform feature preserving sampling on surfaces of Joint (with  $\sim 3400$  samples) and Mask (with  $\sim 6000$  samples).



**Figure 13:** Spectral analysis of the adaptive feature preserving sampling on surfaces of Joint (with  $\sim 3800$  samples) and Mask (with  $\sim 3300$  samples).



**Figure 14:** Sampling with varying density function. The density changes from uniform to curvature adapted.