

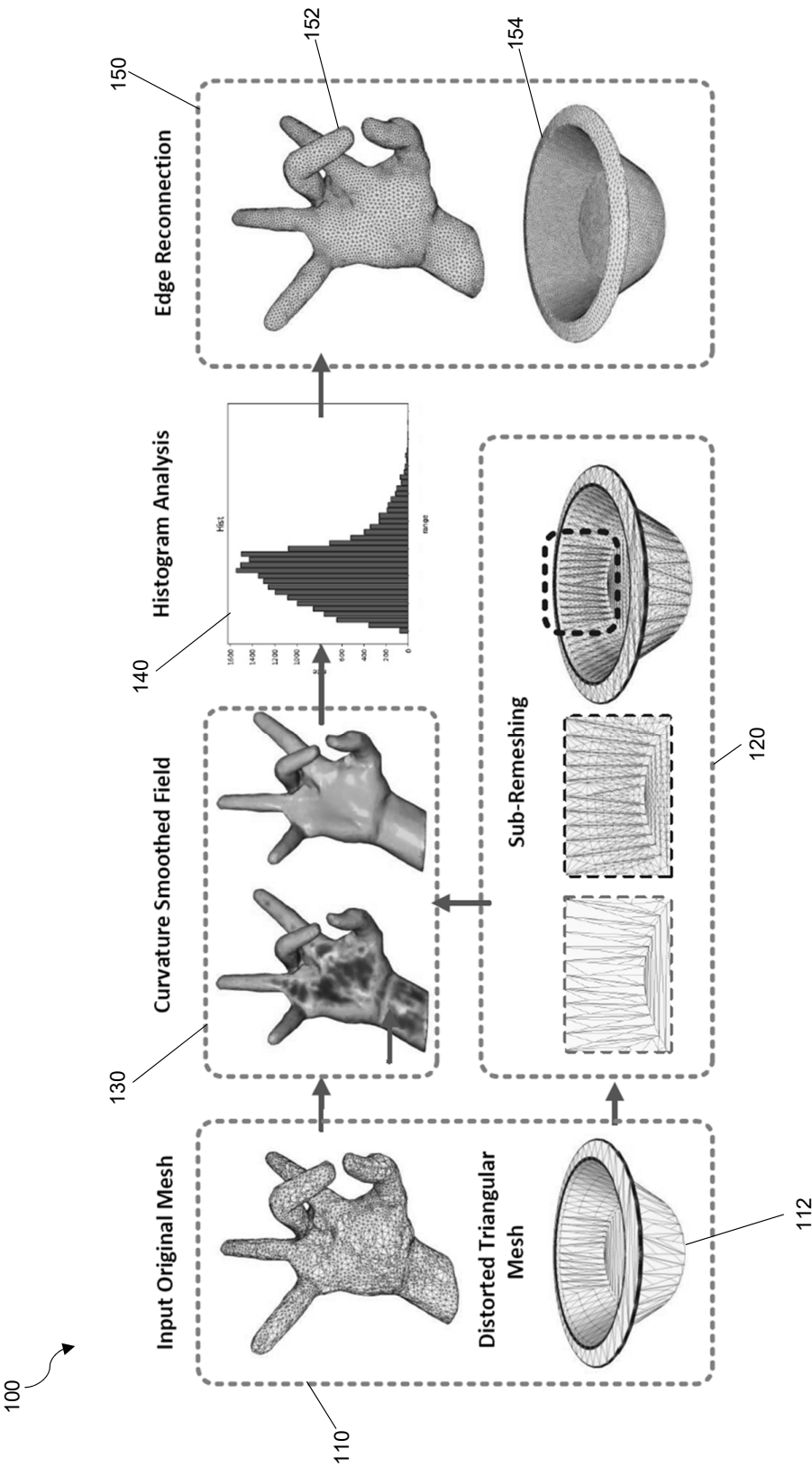


FIG.1

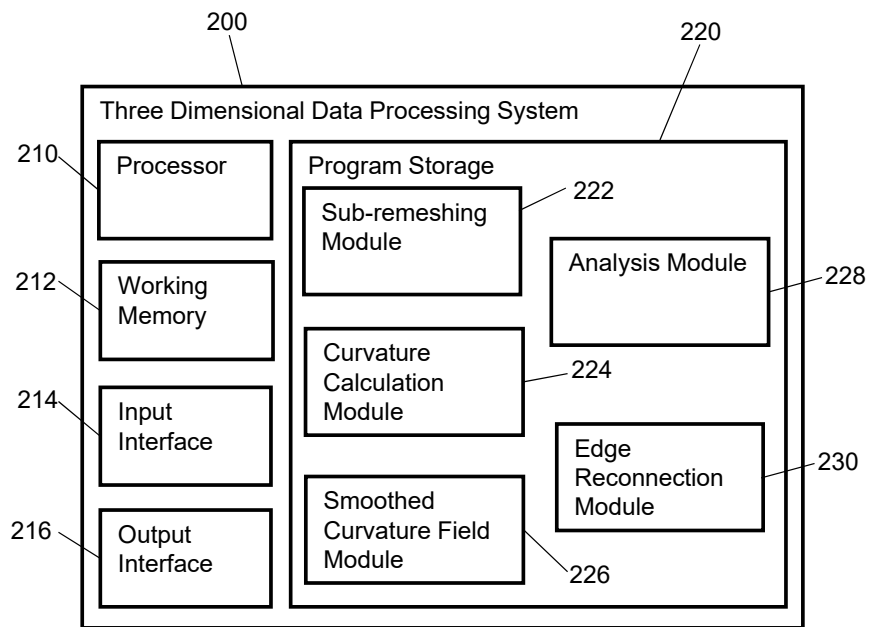


FIG.2

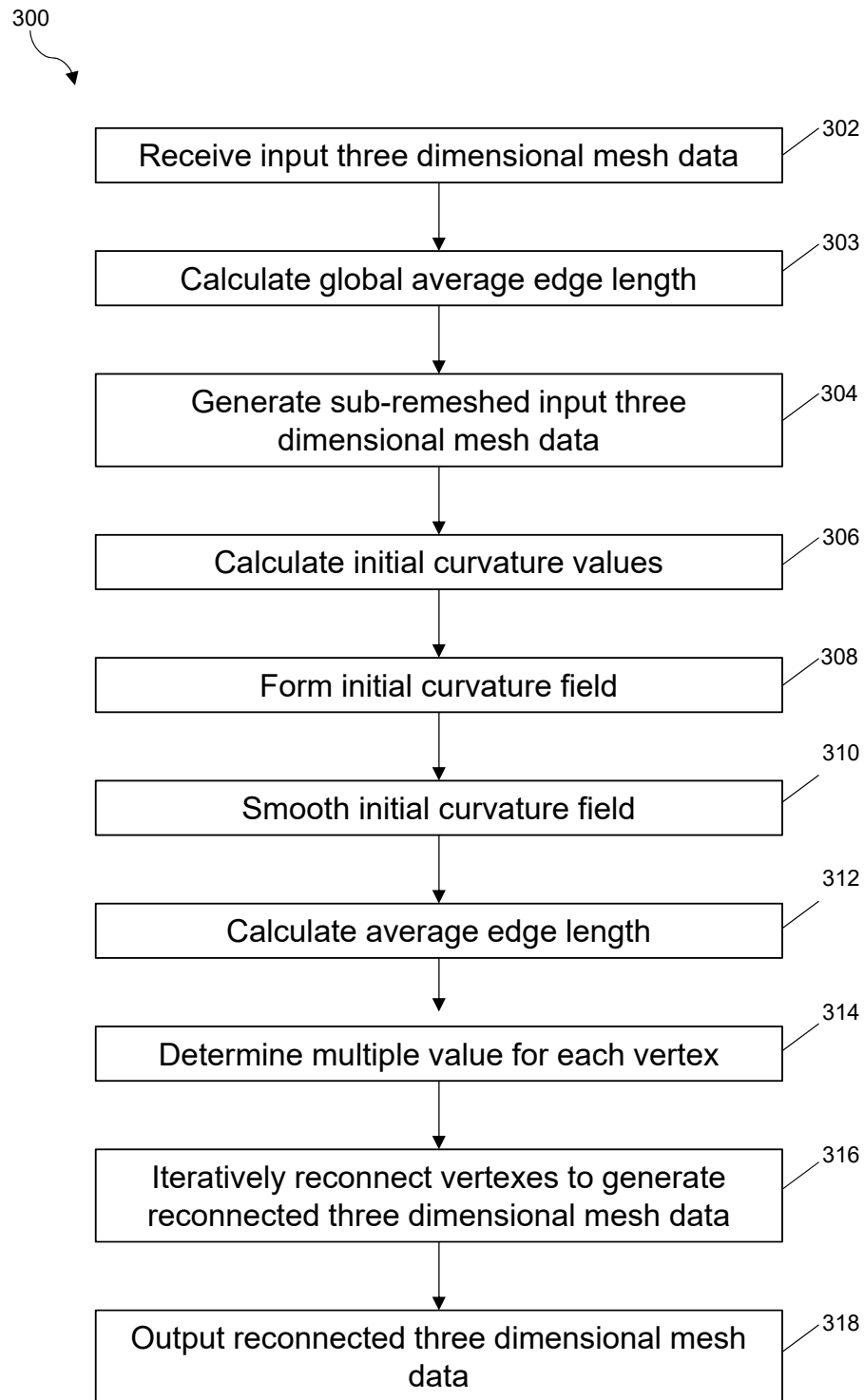


FIG.3

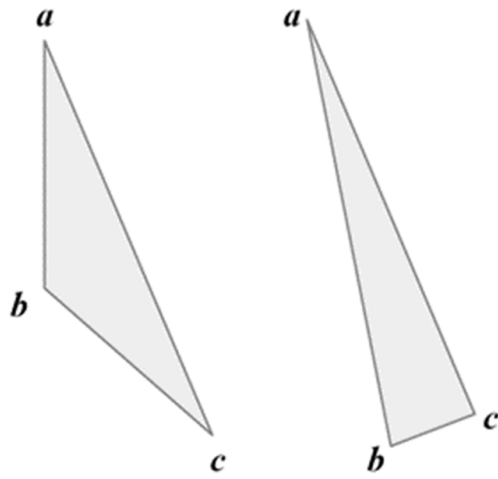


FIG.4A

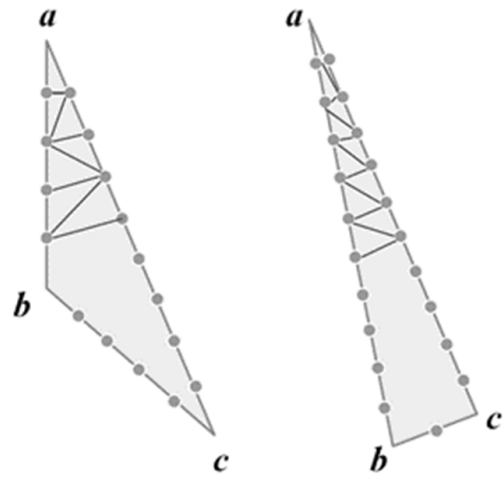


FIG.4B

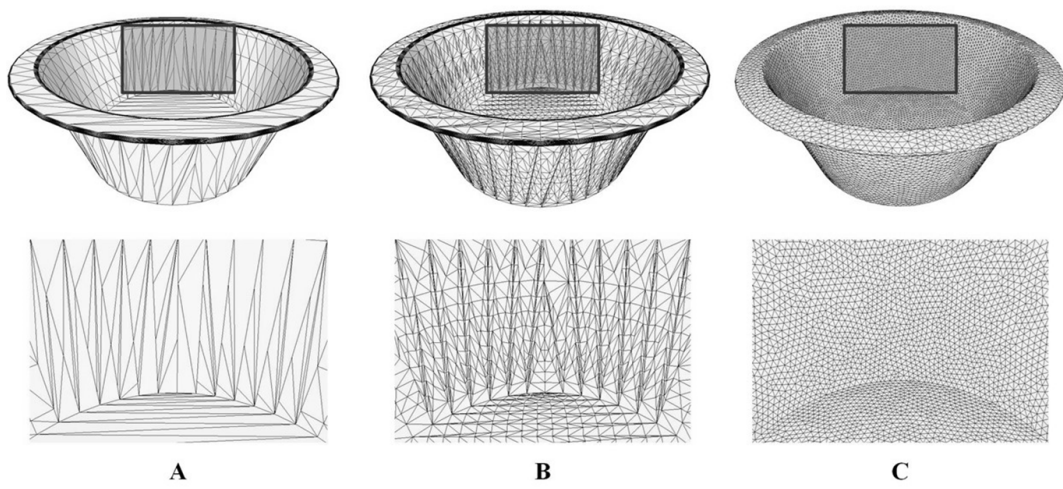


FIG.5

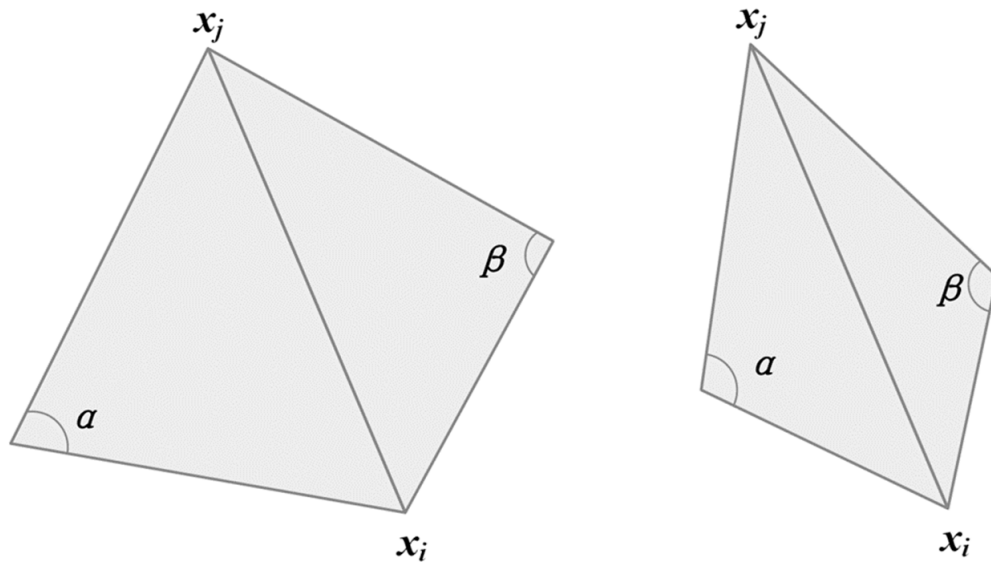


FIG.6

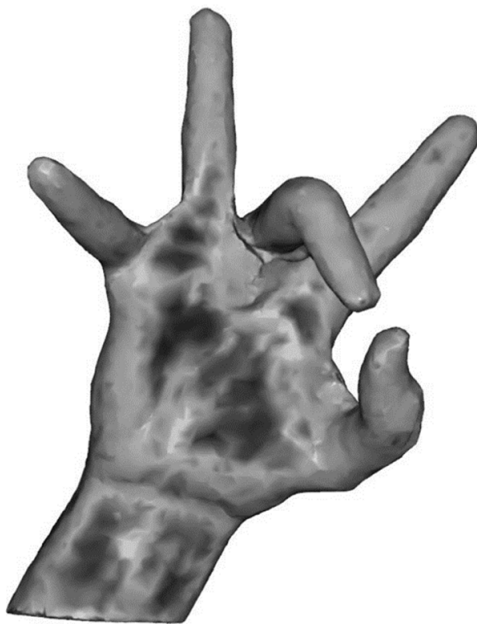


FIG.7A

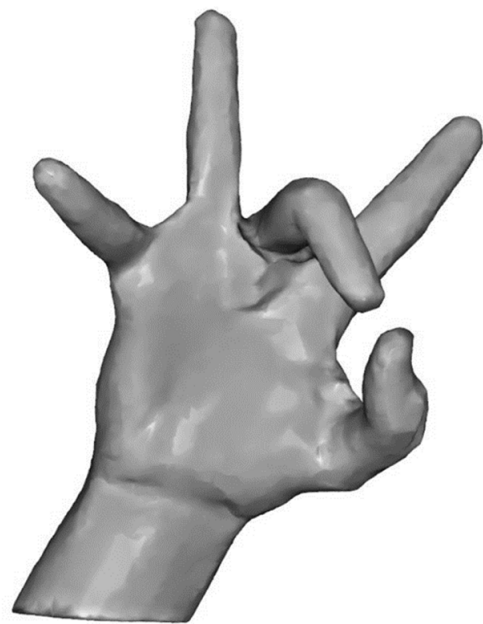


FIG.7B

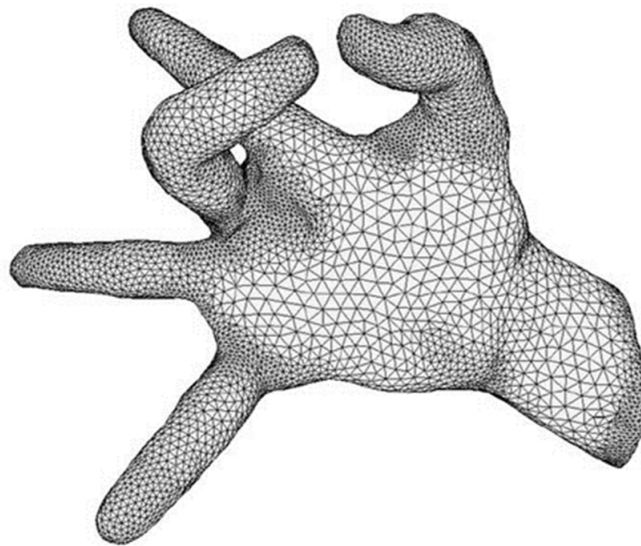
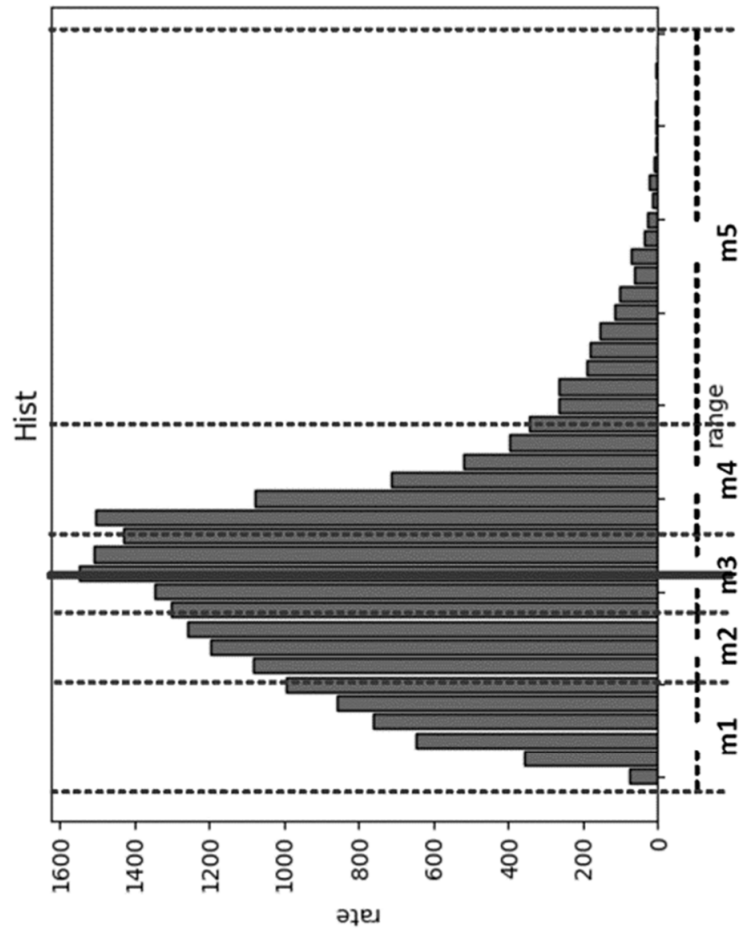


FIG.8

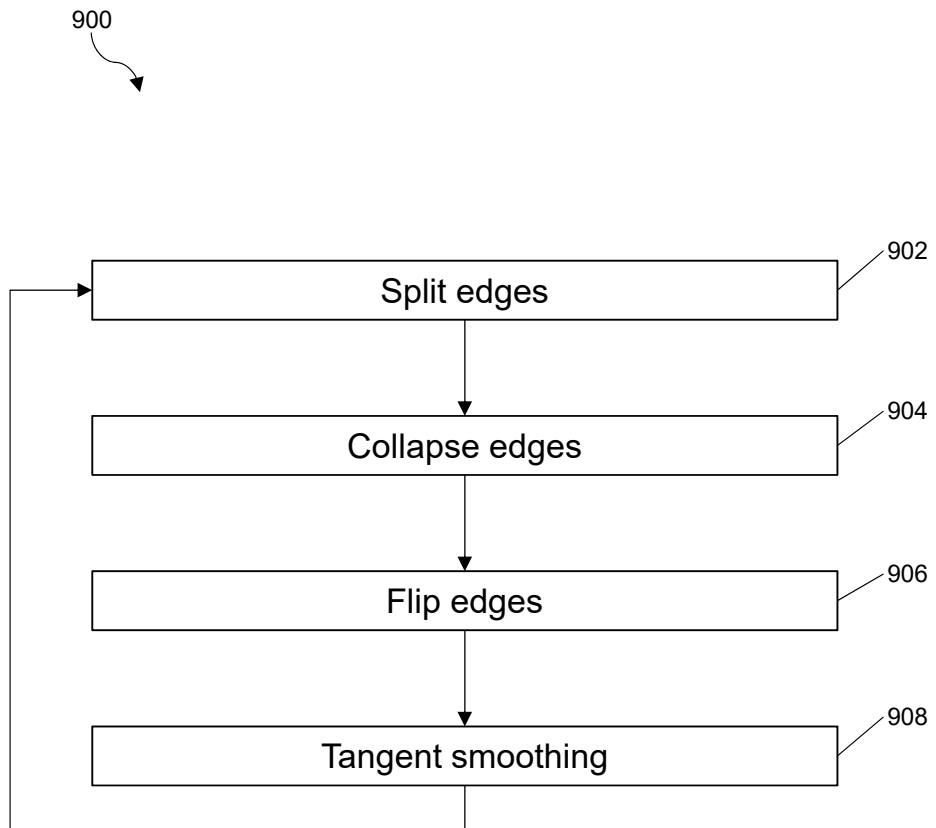


FIG.9

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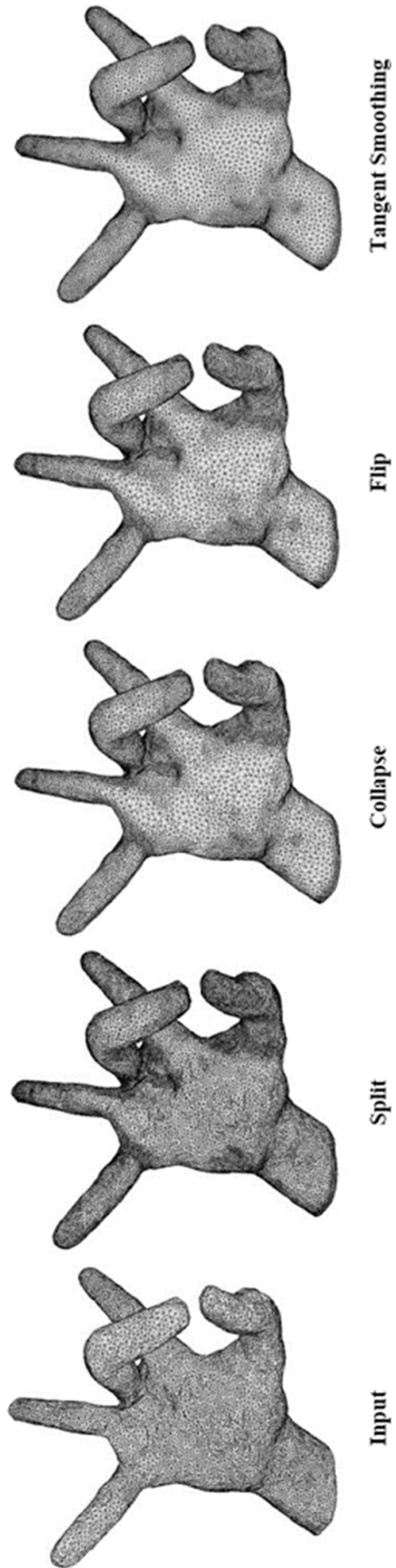


FIG.10

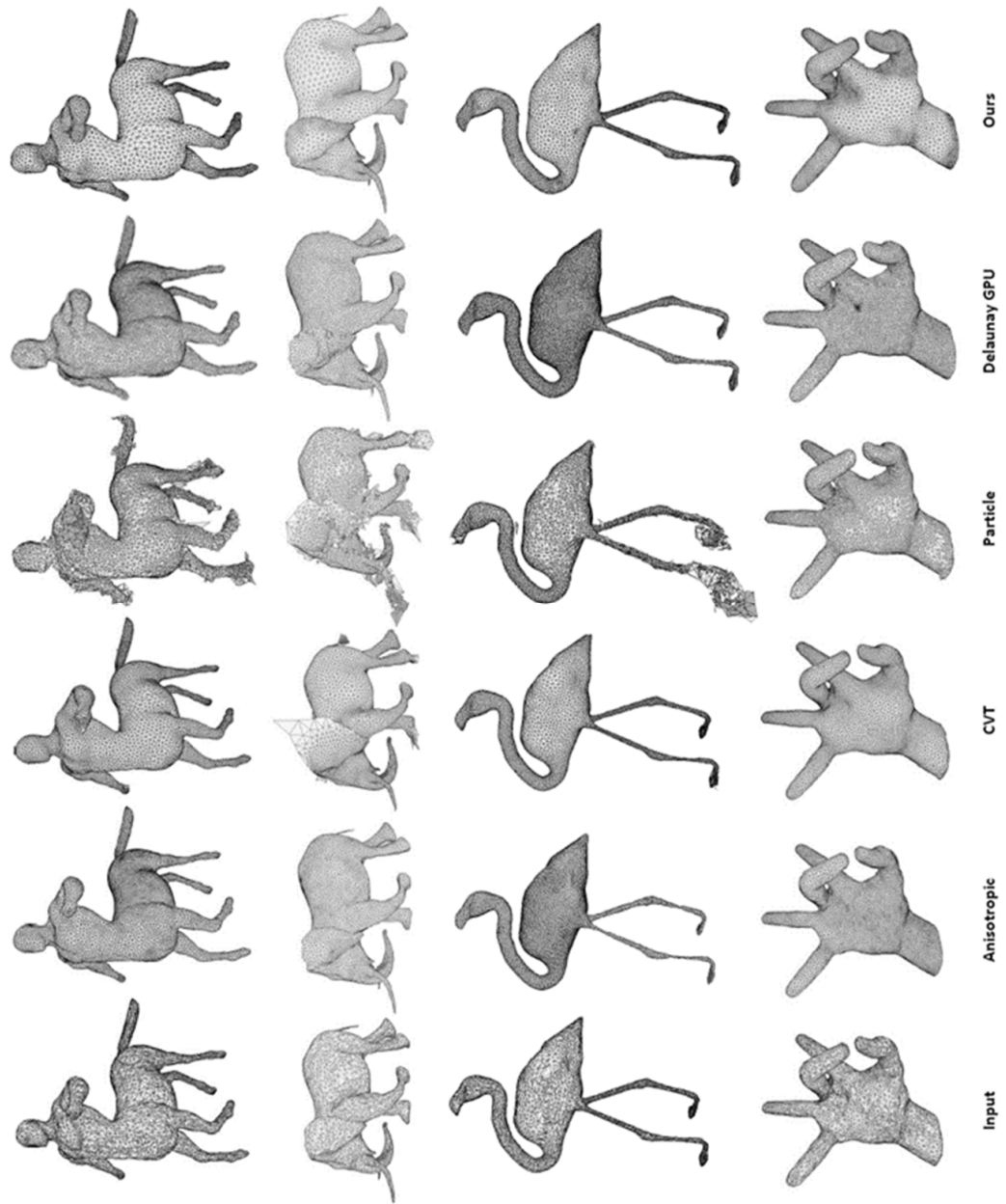


FIG. 11

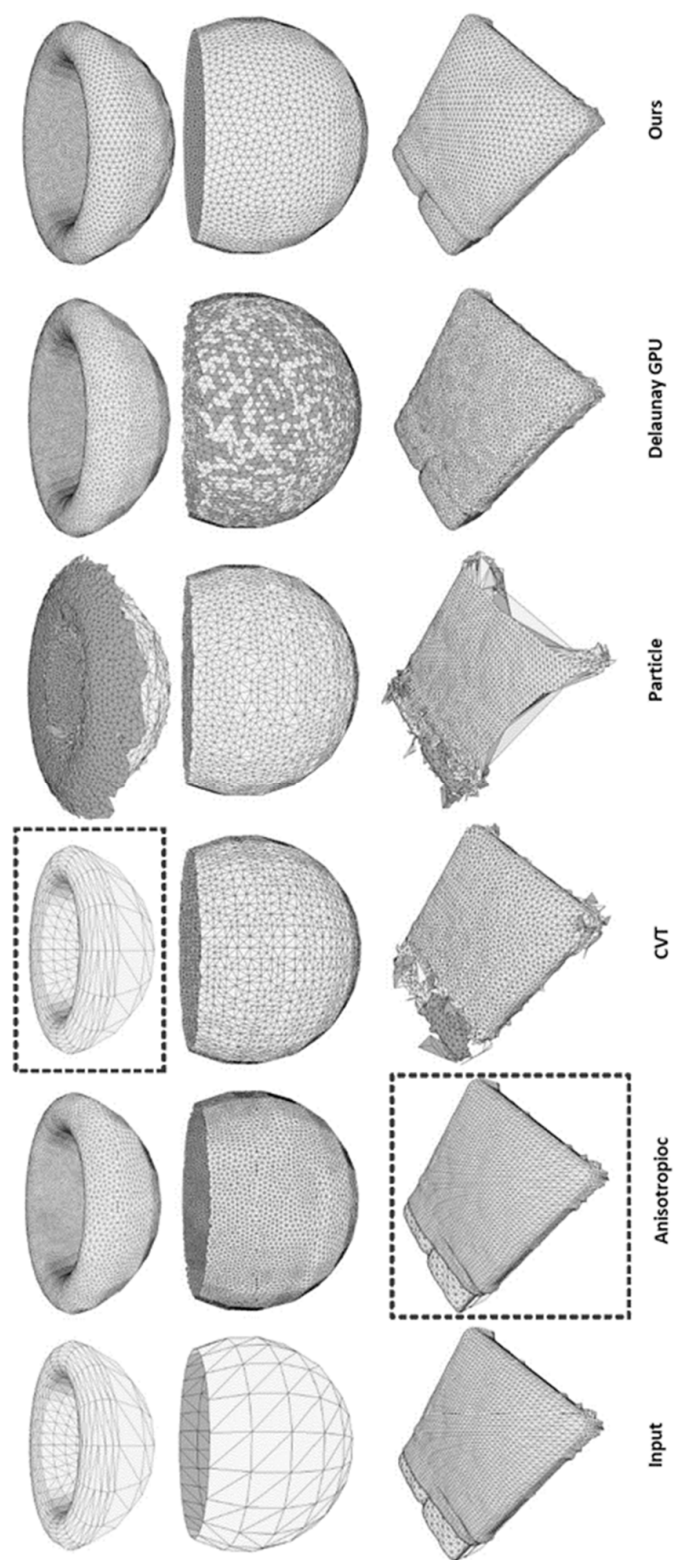


FIG.12

HAUSDORFF DISTANCES (Hd) AND MESH QUALITY MEASUREMENTS (Q_{avg}) OF DIFFERENT METHODS IN SHREC MODELS.

Methods		Anisotropic		CVT		Particle		Delaunay-GPU		Our	
Models\Measurement		Hd	Q_{avg}	Hd	Q_{avg}	Hd	Q_{avg}	Hd	Q_{avg}	Hd	Q_{avg}
centuar		0.0101	0.85	0.2594	0.84	0.2519	0.73	0.0096	0.82	0.0078	0.85
crane		0.0139	0.87	0.2296	0.84	0.2263	0.71	0.0054	0.82	0.0046	0.84
elephant		0.0197	0.82	0.1259	0.82	0.1265	0.74	0.0325	0.82	0.0165	0.83
hand		0.0105	0.84	0.1911	0.85	0.1916	0.73	0.0106	0.82	0.0088	0.86
tyrannosaurus		0.0082	0.86	0.3166	0.85	0.2872	0.75	0.0053	0.82	0.0061	0.85
ant		0.0122	0.84	0.1656	0.85	0.1738	0.68	0.0120	0.82	0.0116	0.84
bird		0.0104	0.81	0.2426	0.85	0.2415	0.7	0.0102	0.82	0.0104	0.82
crocodile		0.0235	0.82	0.2245	0.84	0.2081	0.67	0.0153	0.82	0.0119	0.85
light		0.0136	0.87	0.2701	0.82	0.2701	0.71	0.0087	0.82	0.0108	0.84
spiders		0.0097	0.84	0.1871	0.85	0.1797	0.71	0.0088	0.82	0.0083	0.86

FIG.13

HAUSDORFF DISTANCES (HD) AND MESH QUALITY MEASUREMENTS (Q_{avg}) OF DIFFERENT METHODS IN MODELNET MO

Methods		Anisotropic		CVT		Particle		Delaunay-GPU		Our	
Models\Measurement		Hd	Q_{avg}	Hd	Q_{avg}	Hd	Q_{avg}	Hd	Q_{avg}	Hd	Q_{avg}
bed		Nan	Nan	4.56	0.76	5.05	0.72	2.37	0.82	1.22	0.83
bottle		12.6	0.89	1.68	0.85	6.81	0.74	12.61	0.82	0.35	0.91
bathtub		Nan	Nan	16.33	0.82	3.93	0.77	Nan	Nan	1.67	0.81
bowl		1.11	0.88	Nan	Nan	4.56	0.74	1.83	0.82	1.05	0.91
car		Nan	Nan	1.27	0.84	0.53	0.76	Nan	Nan	0.03	0.83
airplane		Nan	Nan	19.17	0.82	Nan	Nan	9.93	0.82	1.22	0.71
person		1.36	0.84	0.97	0.81	1.11	0.76	0.63	0.82	0.01	0.76
sofa		2.18	0.83	16.56	0.83	7.63	0.76	Nan	Nan	1.69	0.84

FIG.14