

Appendix B

This appendix presents the data in IGES format for surface description used in case (iii) of this thesis. Refer to chapter 7 for further details.

Data for case (iii): Original Surface

S0000001
 Maximum GME point tolerance: 0.0099999997
 S0000002
 Minimum GME point tolerance: 0.0099999997
 S0000003

S0000004
 1H, ,1H; ,4HIGES,29Horig_surface_high_density.igs,
 G0000001
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 G0000002
 22HI-DEAS Master Series 6,1.00000000,2,2HMM,1,1.00000000,
 G0000003
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 G0000004

	128	1	0	1	0	0	0	000010000D
1	128	0	8	523	0			SPLINE 0D
2	126	524	0	1	0	0	0	001010500D
3	126	0	0	2	1			LINE 0D
4	126	526	0	1	0	0	0	000010000D
5	126	0	8	30	0			SPLINE 0D
6	126	556	0	1	0	0	0	001010500D
7	126	0	0	2	1			LINE 0D
8	126	558	0	1	0	0	0	000010000D
9	126	0	8	22	0			SPLINE 0D
10	126	580	0	1	0	0	0	001010500D
11	126	0	0	2	1			LINE 0D
12	126	582	0	1	0	0	0	000010000D
13	126	0	8	31	0			SPLINE 0D
14	126	613	0	1	0	0	0	001010500D
15	126	0	0	2	1			LINE 0D
16	126	615	0	1	0	0	0	000010000D
17	126	0	8	21	0			SPLINE 0D
18								

19	102	636	0	1	0	0	0	000010500D
20	102	0	8	1	0		COMPOSIT	0D
21	102	637	0	1	0	0	0	000010000D
22	102	0	8	1	0		COMPOSIT	0D
23	142	638	0	1	0	0	0	000010000D
24	142	0	8	1	0		TRM LOOP	0D
25	144	639	0	1	0	0	0	000000000D
26	144	0	8	1	0		TRIM SRF	0D
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3	1.10699228,1.24536631,1.38374035,1.52211438,1.66048842,							1P
4	1.79886245,1.93723648,2.07561052,2.21398455,2.35235859,							1P
5	2.49073262,2.49073262,2.49073262,2.49073262,0.0,0.0,0.0,							1P
6	0.0,0.03703704,0.07407407,0.11111111,0.14814815,							1P
7	0.18518519,0.22222222,0.25925926,0.2962963,0.33333333,							1P
8	0.37037037,0.40740741,0.44444444,0.48148148,0.51851852,							1P
9	0.55555556,0.59259259,0.62962963,0.66666667,0.7037037,							1P
10	0.74074074,0.77777778,0.81481481,0.85185185,0.88888889,							1P
11	0.92592593,0.96296296,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,							1P
12	1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,							1P
13	1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,							1P
14	1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,							1P
15	1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,							1P
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639
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T0000001

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Data for case (iii): New Surface

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S0000001
Maximum GME point tolerance: 0.0099999997
S0000002
Minimum GME point tolerance: 0.0099999997
S0000003

S0000004
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22HI-DEAS Master Series 6,8HIGES 5.3,32,38,8,308,15,
G0000002
22HI-DEAS Master Series 6,1.00000000,2,2HMM,1,1.00000000, G0000003
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1
128 0 8 523 0 SPLINE 0D
2
126 524 0 1 0 0 0 001010500D
3
126 0 0 2 1 LINE 0D
4
126 526 0 1 0 0 0 000010000D
5
126 0 8 30 0 SPLINE 0D
6
126 556 0 1 0 0 0 001010500D
7
126 0 0 2 1 LINE 0D
8
126 558 0 1 0 0 0 000010000D
9
126 0 8 22 0 SPLINE 0D
10
126 580 0 1 0 0 0 001010500D
11
126 0 0 2 1 LINE 0D
12

```

13	126	582	0	1	0	0	0	000010000D
14	126	0	8	31	0			SPLINE 0D
15	126	613	0	1	0	0	0	001010500D
16	126	0	0	2	1			LINE 0D
17	126	615	0	1	0	0	0	000010000D
18	126	0	8	21	0			SPLINE 0D
19	102	636	0	1	0	0	0	000010500D
20	102	0	8	1	0			COMPOSIT 0D
21	102	637	0	1	0	0	0	000010000D
22	102	0	8	1	0			COMPOSIT 0D
23	142	638	0	1	0	0	0	000010000D
24	142	0	8	1	0			TRM LOOP 0D
25	144	639	0	1	0	0	0	000000000D
26	144	0	8	1	0			TRIM SRF 0D
128	20	29	3	3	0	0	1	0,0,0,0.0,0.0,0.0,0.0,0.13837403,0.27674807, 1P
1	0.4151221	0.55349614	0.69187017	0.83024421	0.96861824			1P
2	1.10699228	1.24536631	1.38374035	1.52211438	1.66048842			1P
3	1.79886245	1.93723648	2.07561052	2.21398455	2.35235859			1P
4	2.49073262	2.49073262	2.49073262	2.49073262	0.0,0.0,0.0,			1P
5	0.0,0.03703704	0.07407407	0.11111111	0.14814815				1P
6	0.18518519	0.22222222	0.25925926	0.2962963	0.33333333			1P
7	0.37037037	0.40740741	0.44444444	0.48148148	0.51851852			1P
8	0.55555556	0.59259259	0.62962963	0.66666667	0.7037037			1P
9	0.74074074	0.77777778	0.81481481	0.85185185	0.88888889			1P
10	0.92592593	0.96296296	1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,					1P
11	1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,							1P
12	1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,							1P
13	1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,							1P
14	1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,							1P

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