

Equity Derivatives
 Volatility Surface
 Date: 21 Jan 2022

VolatilitySurfaceCode	TermToExpiry	Moneyness	VolatilityAdjustment
ZATR	0.39178	1	0
ZATR	0.39178	0.95	0.014715
ZATR	0.142465	1	0
ZATR	0.142465	0.95	0.027065
ZATR	0.39178	1.3	0.011979
ZATR	0.39178	1.1	-0.007584
ZATR	0.39178	1.05	-0.006489
ZATR	0.39178	1.025	-0.003889
ZATR	0.142465	0.9	0.063795
ZATR	0.142465	0.7	0.182669
ZATR	0.39178	0.975	0.005175
ZATR	0.39178	0.9	0.038555
ZATR	0.142465	1.025	-0.005524
ZATR	0.142465	0.975	0.01116
ZATR	0.39178	0.7	0.14284
ZATR	0.142465	1.3	0.05535
ZATR	0.142465	1.1	-0.000534
ZATR	0.142465	1.05	-0.007004
ZAUS	0.909589	0.9	-0.007235
ZAUS	0.909589	0.7	0.007905
ZAUS	0.660273	1.3	0.042039
ZAUS	0.660273	1.1	0.015389
ZAUS	0.39178	0.975	-0.004074
ZAUS	0.39178	0.95	-0.006414
ZAUS	0.39178	0.9	-0.008729
ZAUS	0.39178	0.7	0.045105
ZAUS	0.909589	1.025	0.002875
ZAUS	0.909589	0.975	-0.003029
ZAUS	0.660273	1.025	0.003369
ZAUS	0.660273	0.975	-0.00346
ZAUS	0.39178	1.1	0.01962

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ZAUS	0.39178	1.025	0.004385
ZAUS	0.142465	1.1	0.02979
ZAUS	0.142465	1.025	0.0071
ZAUS	0.909589	1.3	0.03698
ZAUS	0.909589	1.1	0.013069
ZAUS	0.660273	0.95	-0.00597
ZAUS	0.660273	0.9	-0.00798
ZAUS	0.660273	0.7	0.02341
ZAUS	0.39178	1.3	0.052035
ZAUS	0.142465	0.975	-0.005124
ZAUS	0.142465	0.95	-0.007364
ZAUS	0.142465	0.9	-0.013385
ZAUS	0.142465	0.7	0.08614
ZAUS	0.909589	1.05	0.006075
ZAUS	0.909589	1	0
ZAUS	0.909589	0.95	-0.005465
ZAUS	0.660273	1.05	0.007144
ZAUS	0.660273	1	0
ZAUS	0.39178	1.05	0.00939
ZAUS	0.39178	1	0
ZAUS	0.142465	1.3	0.072279
ZAUS	0.142465	1.05	0.0152
ZAUS	0.142465	1	0
ZAJY	0.142465	1.298	0.083855
ZAJY	0.142465	1.149	0.054809
ZAJY	0.142465	1.2235	0.058559
ZAJY	0.142465	1.0745	0.026415
ZAJY	0.142465	0.702	0.090525
ZAJY	0.142465	1	0
ZAJY	0.142465	0.9255	-0.006414
ZAJY	0.142465	0.851	0.032854
ZAJY	0.142465	0.7765	0.076935
ZAGB	0.660273	1.025	0.001895
ZAGB	0.660273	1	0
ZAGB	0.660273	0.975	-0.00128
ZAGB	0.660273	0.95	-0.001254
ZAGB	0.142465	1.1	0.018735
ZAGB	0.142465	1.05	0.010145
ZAGB	0.142465	1.025	0.00454
ZAGB	0.142465	1	0

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ZAGB	0.142465	0.975	-0.001804
ZAGB	0.909589	1.1	0.008865
ZAGB	0.909589	0.7	0.034175
ZAGB	0.660273	1.1	0.010495
ZAGB	0.660273	0.7	0.044565
ZAGB	0.39452	1.1	0.00315
ZAGB	0.39452	0.95	0.002885
ZAGB	0.39452	0.7	0.083245
ZAGB	0.142465	0.95	-0.000834
ZAGB	0.142465	0.7	0.108165
ZAGB	0.909589	1.3	0.027014
ZAGB	0.909589	1.05	0.003609
ZAGB	0.909589	0.9	0.001489
ZAGB	0.660273	1.3	0.029849
ZAGB	0.660273	1.05	0.00445
ZAGB	0.660273	0.9	0.00181
ZAGB	0.39452	1.3	0.026114
ZAGB	0.39452	0.9	0.00175
ZAGB	0.142465	1.3	0.09
ZAGB	0.142465	0.9	0.00674
ZAGB	0.909589	1.025	0.00154
ZAGB	0.909589	1	0
ZAGB	0.909589	0.975	-0.00113
ZAGB	0.909589	0.95	-0.001255
ZAGB	0.39452	1.05	-0.001075
ZAGB	0.39452	1.025	-0.001214
ZAGB	0.39452	1	0
ZAGB	0.39452	0.975	0.001465
ZAEU	0.909589	1.1	0.013249
ZAEU	0.909589	1.05	0.006169
ZAEU	0.909589	1.025	0.00292
ZAEU	0.909589	1	0
ZAEU	0.660273	0.7	0.03286
ZAEU	0.142465	1.3	0.08224
ZAEU	0.142465	1.1	0.030045
ZAEU	0.142465	1.05	0.015615
ZAEU	0.142465	1.025	0.00746
ZAEU	0.909589	1.3	0.042495
ZAEU	0.909589	0.975	-0.00305
ZAEU	0.909589	0.9	-0.006785
ZAEU	0.660273	0.975	-0.003464

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ZAEU	0.660273	0.9	-0.007255
ZAEU	0.142465	0.975	-0.00532
ZAEU	0.142465	0.9	-0.003385
ZAEU	0.909589	0.95	-0.00544
ZAEU	0.909589	0.7	0.022004
ZAEU	0.660273	1	0
ZAEU	0.660273	0.95	-0.005885
ZAEU	0.142465	1	0
ZAEU	0.142465	0.95	-0.00688
ZAEU	0.660273	1.3	0.04485
ZAEU	0.660273	1.1	0.015685
ZAEU	0.660273	1.05	0.007345
ZAEU	0.660273	1.025	0.00346
ZAEU	0.142465	0.7	0.097159
ALSI Vol Surface	3.909589	1.3	-0.036
ALSI Vol Surface	3.909589	1.1	-0.0184
ALSI Vol Surface	3.909589	1.05	-0.012
ALSI Vol Surface	2.912329	0.9	0.0158
ALSI Vol Surface	2.912329	0.7	0.0532
ALSI Vol Surface	1.915068	1.3	-0.0404
ALSI Vol Surface	1.915068	1.1	-0.0219
ALSI Vol Surface	1.665753	0.975	0.0054
ALSI Vol Surface	1.665753	0.95	0.0112
ALSI Vol Surface	1.665753	0.9	0.0231
ALSI Vol Surface	1.665753	0.7	0.0736
ALSI Vol Surface	1.147945	1	0
ALSI Vol Surface	1.147945	0.975	0.0069
ALSI Vol Surface	1.147945	0.95	0.0144
ALSI Vol Surface	1.147945	0.9	0.0302
ALSI Vol Surface	0.89863	1.025	-0.0113
ALSI Vol Surface	0.89863	1	0
ALSI Vol Surface	0.89863	0.975	0.0074
ALSI Vol Surface	0.89863	0.95	0.0156
ALSI Vol Surface	0.745205	1.1	-0.0163
ALSI Vol Surface	0.745205	1.05	-0.0146
ALSI Vol Surface	0.745205	1.025	-0.0109
ALSI Vol Surface	0.745205	1	0
ALSI Vol Surface	0.745205	0.975	-0.0002
ALSI Vol Surface	0.572603	1.3	0.0071
ALSI Vol Surface	0.572603	1.1	-0.0335
ALSI Vol Surface	0.572603	1.05	-0.0352

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ALSI Vol Surface	0.572603	1.025	-0.0261
ALSI Vol Surface	0.49589	0.7	0.1349
ALSI Vol Surface	0.39726	1.3	0.0411
ALSI Vol Surface	0.39726	1.1	-0.0224
ALSI Vol Surface	0.39726	1.05	-0.0304
ALSI Vol Surface	0.323288	0.9	0.0479
ALSI Vol Surface	0.323288	0.7	0.1658
ALSI Vol Surface	0.246575	1.3	0.0512
ALSI Vol Surface	0.246575	1.1	0.0001
ALSI Vol Surface	0.150685	0.975	0.0102
ALSI Vol Surface	0.150685	0.95	0.0226
ALSI Vol Surface	0.150685	0.9	0.0415
ALSI Vol Surface	0.150685	0.7	0.1313
ALSI Vol Surface	0	1	0
ALSI Vol Surface	0	0.975	0.0101
ALSI Vol Surface	0	0.95	0.0218
ALSI Vol Surface	0	0.9	0.0393
ALSI Vol Surface	3.909589	1	0
ALSI Vol Surface	3.909589	0.95	0.0065
ALSI Vol Surface	2.912329	1.05	-0.0134
ALSI Vol Surface	2.912329	1	0
ALSI Vol Surface	2.912329	0.95	0.0076
ALSI Vol Surface	1.915068	1.05	-0.0142
ALSI Vol Surface	1.915068	1	0
ALSI Vol Surface	1.665753	1.05	-0.0151
ALSI Vol Surface	1.665753	1	0
ALSI Vol Surface	1.39726	1.3	-0.0231
ALSI Vol Surface	1.39726	1.05	-0.0163
ALSI Vol Surface	1.39726	1	0
ALSI Vol Surface	1.147945	1.3	-0.0181
ALSI Vol Surface	1.147945	1.05	-0.0161
ALSI Vol Surface	0.994521	1.3	-0.0138
ALSI Vol Surface	0.994521	1.05	-0.0159
ALSI Vol Surface	0.994521	0.9	0.0319
ALSI Vol Surface	0.89863	1.3	-0.0103
ALSI Vol Surface	0.89863	1.05	-0.0157
ALSI Vol Surface	0.89863	0.9	0.0333
ALSI Vol Surface	0.821918	1.3	-0.0047
ALSI Vol Surface	0.821918	0.9	0.023
ALSI Vol Surface	0.745205	1.3	0.002
ALSI Vol Surface	0.745205	0.9	0.0241

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ALSI Vol Surface	0.649315	1.3	0.0122
ALSI Vol Surface	0.649315	0.975	0
ALSI Vol Surface	0.649315	0.9	0.0259
ALSI Vol Surface	0.572603	0.975	0.0076
ALSI Vol Surface	0.572603	0.9	0.0289
ALSI Vol Surface	0.49589	0.975	0.0075
ALSI Vol Surface	0.49589	0.9	0.0301
ALSI Vol Surface	0.39726	1.025	-0.0242
ALSI Vol Surface	0.39726	0.975	0.0072
ALSI Vol Surface	0.323288	1.025	-0.0076
ALSI Vol Surface	0.323288	0.975	0.0102
ALSI Vol Surface	0.246575	1.025	-0.0075
ALSI Vol Surface	0.246575	0.975	0.0099
ALSI Vol Surface	0.150685	1.1	-0.0091
ALSI Vol Surface	0.150685	1.025	-0.0091
ALSI Vol Surface	0.073973	1.1	-0.012
ALSI Vol Surface	0.073973	1.025	-0.0094
ALSI Vol Surface	0	1.1	-0.012
ALSI Vol Surface	0	1.025	-0.0094
ALSI Vol Surface	0	0.7	0.1199
ALSI Vol Surface	3.909589	1.025	-0.0086
ALSI Vol Surface	3.909589	0.975	0.0035
ALSI Vol Surface	2.912329	1.025	-0.0093
ALSI Vol Surface	2.912329	0.975	0.0037
ALSI Vol Surface	1.915068	1.025	-0.0098
ALSI Vol Surface	1.915068	0.975	0.0047
ALSI Vol Surface	1.665753	1.1	-0.0227
ALSI Vol Surface	1.665753	1.025	-0.0103
ALSI Vol Surface	1.39726	1.1	-0.0239
ALSI Vol Surface	1.39726	1.025	-0.0111
ALSI Vol Surface	1.147945	1.1	-0.0221
ALSI Vol Surface	1.147945	1.025	-0.0112
ALSI Vol Surface	1.147945	0.7	0.0932
ALSI Vol Surface	0.994521	1.1	-0.0206
ALSI Vol Surface	0.994521	0.7	0.0997
ALSI Vol Surface	0.89863	1.1	-0.0193
ALSI Vol Surface	0.89863	0.7	0.105
ALSI Vol Surface	0.821918	1.1	-0.0179
ALSI Vol Surface	0.821918	0.95	0.0047
ALSI Vol Surface	0.821918	0.7	0.1103
ALSI Vol Surface	0.745205	0.95	0.005

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ALSI Vol Surface	0.745205	0.7	0.1165
ALSI Vol Surface	0.649315	0.95	0.0056
ALSI Vol Surface	0.649315	0.7	0.1262
ALSI Vol Surface	0.572603	1	0
ALSI Vol Surface	0.572603	0.95	0.0077
ALSI Vol Surface	0.49589	1	0
ALSI Vol Surface	0.49589	0.95	0.0078
ALSI Vol Surface	0.39726	1	0
ALSI Vol Surface	0.39726	0.95	0.008
ALSI Vol Surface	0.323288	1.05	-0.0068
ALSI Vol Surface	0.323288	1	0
ALSI Vol Surface	0.323288	0.95	0.0243
ALSI Vol Surface	0.246575	1.05	-0.007
ALSI Vol Surface	0.246575	1	0
ALSI Vol Surface	0.150685	1.05	-0.011
ALSI Vol Surface	0.150685	1	0
ALSI Vol Surface	0.073973	1.3	0.0209
ALSI Vol Surface	0.073973	1.05	-0.0121
ALSI Vol Surface	0.073973	1	0
ALSI Vol Surface	0	1.3	0.0209
ALSI Vol Surface	0	1.05	-0.0121
ALSI Vol Surface	3.909589	0.9	0.0142
ALSI Vol Surface	3.909589	0.7	0.0464
ALSI Vol Surface	2.912329	1.3	-0.0385
ALSI Vol Surface	2.912329	1.1	-0.0201
ALSI Vol Surface	1.915068	0.95	0.0096
ALSI Vol Surface	1.915068	0.9	0.0196
ALSI Vol Surface	1.915068	0.7	0.0654
ALSI Vol Surface	1.665753	1.3	-0.0333
ALSI Vol Surface	1.39726	0.975	0.0066
ALSI Vol Surface	1.39726	0.95	0.0136
ALSI Vol Surface	1.39726	0.9	0.0283
ALSI Vol Surface	1.39726	0.7	0.0855
ALSI Vol Surface	0.994521	1.025	-0.0113
ALSI Vol Surface	0.994521	1	0
ALSI Vol Surface	0.994521	0.975	0.0071
ALSI Vol Surface	0.994521	0.95	0.015
ALSI Vol Surface	0.821918	1.05	-0.0152
ALSI Vol Surface	0.821918	1.025	-0.0111
ALSI Vol Surface	0.821918	1	0
ALSI Vol Surface	0.821918	0.975	-0.0002

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ALSI Vol Surface	0.649315	1.1	-0.0137
ALSI Vol Surface	0.649315	1.05	-0.0136
ALSI Vol Surface	0.649315	1.025	-0.0106
ALSI Vol Surface	0.649315	1	0
ALSI Vol Surface	0.572603	0.7	0.1249
ALSI Vol Surface	0.49589	1.3	0.0195
ALSI Vol Surface	0.49589	1.1	-0.0296
ALSI Vol Surface	0.49589	1.05	-0.0336
ALSI Vol Surface	0.49589	1.025	-0.0255
ALSI Vol Surface	0.39726	0.9	0.0324
ALSI Vol Surface	0.39726	0.7	0.1529
ALSI Vol Surface	0.323288	1.3	0.0553
ALSI Vol Surface	0.323288	1.1	0.0012
ALSI Vol Surface	0.246575	0.95	0.0233
ALSI Vol Surface	0.246575	0.9	0.046
ALSI Vol Surface	0.246575	0.7	0.158
ALSI Vol Surface	0.150685	1.3	0.0288
ALSI Vol Surface	0.073973	0.975	0.0101
ALSI Vol Surface	0.073973	0.95	0.0218
ALSI Vol Surface	0.073973	0.9	0.0393
ALSI Vol Surface	0.073973	0.7	0.1199
World Vol Surface	8.917808	1.025	-0.0023
World Vol Surface	8.917808	1	0
World Vol Surface	8.917808	0.975	0.0023
World Vol Surface	8.917808	0.95	0.0041
World Vol Surface	6.90411	1.05	-0.0049
World Vol Surface	6.90411	1.025	-0.0025
World Vol Surface	6.90411	1	0
World Vol Surface	6.90411	0.975	0.0024
World Vol Surface	4.909589	1.1	-0.0125
World Vol Surface	4.909589	1.05	-0.0069
World Vol Surface	4.909589	1.025	-0.0034
World Vol Surface	4.909589	1	0
World Vol Surface	3.912329	0.7	0.0494
World Vol Surface	2.915068	1.3	-0.0509
World Vol Surface	2.915068	1.1	-0.0174
World Vol Surface	2.915068	1.05	-0.0096
World Vol Surface	2.915068	1.025	-0.0051
World Vol Surface	1.89863	0.9	0.0266
World Vol Surface	1.89863	0.7	0.0798
World Vol Surface	1.4	1.3	-0.0657

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World Vol Surface	1.4	1.1	-0.033
World Vol Surface	1.150685	0.95	0.018
World Vol Surface	1.150685	0.9	0.0355
World Vol Surface	1.150685	0.7	0.1049
World Vol Surface	0.90137	1.3	-0.0688
World Vol Surface	0.652055	0.975	0.0126
World Vol Surface	0.076712	1.05	-0.0531
World Vol Surface	0.076712	1.025	-0.0271
World Vol Surface	0.076712	1	0
World Vol Surface	0.076712	0.975	0.0253
World Vol Surface	0.652055	0.95	0.0248
World Vol Surface	0.652055	0.9	0.048
World Vol Surface	0.652055	0.7	0.1405
World Vol Surface	0.227397	1.025	-0.0208
World Vol Surface	0.227397	1	0
World Vol Surface	0.227397	0.975	0.0186
World Vol Surface	0.227397	0.95	0.0362
World Vol Surface	8.917808	1.3	-0.022
World Vol Surface	8.917808	1.05	-0.0039
World Vol Surface	8.917808	0.9	0.0085
World Vol Surface	7.920548	1.3	-0.0243
World Vol Surface	7.920548	1.05	-0.0051
World Vol Surface	7.920548	0.9	0.0084
World Vol Surface	6.90411	1.3	-0.0271
World Vol Surface	6.90411	0.9	0.0095
World Vol Surface	5.906849	1.3	-0.0302
World Vol Surface	5.906849	0.9	0.0112
World Vol Surface	4.909589	1.3	-0.0349
World Vol Surface	4.909589	0.975	0.0031
World Vol Surface	4.909589	0.9	0.0124
World Vol Surface	3.912329	0.975	0.0041
World Vol Surface	3.912329	0.9	0.0157
World Vol Surface	2.915068	0.975	0.0044
World Vol Surface	2.915068	0.9	0.019
World Vol Surface	1.89863	1.025	-0.0067
World Vol Surface	1.89863	0.975	0.0068
World Vol Surface	1.4	1.025	-0.0082
World Vol Surface	1.4	0.975	0.0077
World Vol Surface	1.150685	1.025	-0.0092
World Vol Surface	1.150685	0.975	0.0091
World Vol Surface	0.90137	1.1	-0.0446

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World Vol Surface	0.90137	1.025	-0.0112
World Vol Surface	0.652055	1.1	-0.0499
World Vol Surface	0.652055	1.025	-0.0136
World Vol Surface	0.153425	0.7	0.2634
World Vol Surface	0.076712	1.1	-0.0597
World Vol Surface	0.076712	0.95	0.0485
World Vol Surface	0.076712	0.7	0.3454
World Vol Surface	0	0.95	0.0485
World Vol Surface	0	0.7	0.3454
World Vol Surface	0.40274	1.1	-0.0562
World Vol Surface	0.40274	1.025	-0.0158
World Vol Surface	0.40274	0.7	0.1765
World Vol Surface	0.227397	1.1	-0.0633
World Vol Surface	0.227397	0.7	0.226
World Vol Surface	0.153425	1.1	-0.0631
World Vol Surface	8.917808	1.1	-0.0073
World Vol Surface	8.917808	0.7	0.0268
World Vol Surface	7.920548	1.1	-0.0084
World Vol Surface	7.920548	0.7	0.0289
World Vol Surface	6.90411	1.1	-0.0097
World Vol Surface	6.90411	0.95	0.0048
World Vol Surface	6.90411	0.7	0.0327
World Vol Surface	5.906849	0.95	0.0055
World Vol Surface	5.906849	0.7	0.0372
World Vol Surface	4.909589	0.95	0.006
World Vol Surface	4.909589	0.7	0.0422
World Vol Surface	3.912329	1	0
World Vol Surface	3.912329	0.95	0.008
World Vol Surface	2.915068	1	0
World Vol Surface	2.915068	0.95	0.0083
World Vol Surface	1.89863	1	0
World Vol Surface	1.89863	0.95	0.0135
World Vol Surface	1.4	1.05	-0.0169
World Vol Surface	1.4	1	0
World Vol Surface	1.150685	1.05	-0.0189
World Vol Surface	1.150685	1	0
World Vol Surface	0.90137	1.05	-0.0226
World Vol Surface	0.90137	1	0
World Vol Surface	0.652055	1.3	-0.0649
World Vol Surface	0.652055	1.05	-0.0272
World Vol Surface	0.652055	1	0

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World Vol Surface	0.076712	1.3	0.0168
World Vol Surface	0.076712	0.9	0.0947
World Vol Surface	0	1.3	0.0168
World Vol Surface	0	0.9	0.0947
World Vol Surface	0.40274	1.3	-0.0516
World Vol Surface	0.40274	1.05	-0.0315
World Vol Surface	0.227397	1.3	-0.0301
World Vol Surface	0.227397	1.05	-0.0392
World Vol Surface	0.227397	0.9	0.0717
World Vol Surface	0.153425	1.3	-0.0108
World Vol Surface	0.153425	1.05	-0.0435
World Vol Surface	0.153425	0.9	0.0804
World Vol Surface	7.920548	1.025	-0.0026
World Vol Surface	7.920548	1	0
World Vol Surface	7.920548	0.975	0.0021
World Vol Surface	7.920548	0.95	0.004
World Vol Surface	5.906849	1.1	-0.0106
World Vol Surface	5.906849	1.05	-0.0053
World Vol Surface	5.906849	1.025	-0.0024
World Vol Surface	5.906849	1	0
World Vol Surface	5.906849	0.975	0.0027
World Vol Surface	3.912329	1.3	-0.0415
World Vol Surface	3.912329	1.1	-0.0153
World Vol Surface	3.912329	1.05	-0.0076
World Vol Surface	3.912329	1.025	-0.0039
World Vol Surface	2.915068	0.7	0.0594
World Vol Surface	1.89863	1.3	-0.0601
World Vol Surface	1.89863	1.1	-0.0268
World Vol Surface	1.89863	1.05	-0.0135
World Vol Surface	1.4	0.95	0.0161
World Vol Surface	1.4	0.9	0.0319
World Vol Surface	1.4	0.7	0.0947
World Vol Surface	1.150685	1.3	-0.0679
World Vol Surface	1.150685	1.1	-0.038
World Vol Surface	0.90137	0.975	0.0105
World Vol Surface	0.90137	0.95	0.0206
World Vol Surface	0.90137	0.9	0.0402
World Vol Surface	0.90137	0.7	0.1187
World Vol Surface	0	1.1	-0.0597
World Vol Surface	0	1.05	-0.0531
World Vol Surface	0	1.025	-0.0271

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World Vol Surface	0	1	0
World Vol Surface	0	0.975	0.0253
World Vol Surface	0.40274	1	0
World Vol Surface	0.40274	0.975	0.0154
World Vol Surface	0.40274	0.95	0.0303
World Vol Surface	0.40274	0.9	0.0589
World Vol Surface	0.153425	1.025	-0.0225
World Vol Surface	0.153425	1	0
World Vol Surface	0.153425	0.975	0.0211
World Vol Surface	0.153425	0.95	0.0414
SSF Vol Surface	0.073973	0.5	0.3575
SSF Vol Surface	0	1.5	0.0504
SSF Vol Surface	0	1.3	0.0014
SSF Vol Surface	0	1.1	-0.0224
SSF Vol Surface	1.665753	1.5	-0.0388
SSF Vol Surface	1.665753	1.3	-0.028
SSF Vol Surface	1.665753	1.1	-0.011
SSF Vol Surface	1.665753	1.05	-0.0057
SSF Vol Surface	1.39726	0.5	0.08
SSF Vol Surface	1.147945	1.5	-0.0389
SSF Vol Surface	1.147945	1.3	-0.03
SSF Vol Surface	1.147945	1.1	-0.0125
SSF Vol Surface	0.994521	0.9	0.0161
SSF Vol Surface	0.994521	0.7	0.052
SSF Vol Surface	0.994521	0.5	0.0986
SSF Vol Surface	0.89863	1.5	-0.0384
SSF Vol Surface	0.89863	1.3	-0.0311
SSF Vol Surface	0.821918	0.95	0.0084
SSF Vol Surface	0.821918	0.9	0.0176
SSF Vol Surface	0.821918	0.7	0.0581
SSF Vol Surface	0.821918	0.5	0.1121
SSF Vol Surface	0.649315	1	0
SSF Vol Surface	0.649315	0.95	0.0092
SSF Vol Surface	0.649315	0.9	0.0193
SSF Vol Surface	0.649315	0.7	0.0659
SSF Vol Surface	0.49589	1.05	-0.009
SSF Vol Surface	0.49589	1	0
SSF Vol Surface	0.49589	0.95	0.0102
SSF Vol Surface	0.49589	0.9	0.0215
SSF Vol Surface	0.323288	1.3	-0.0323
SSF Vol Surface	0.323288	1.1	-0.0185

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SSF Vol Surface	0.323288	1.05	-0.0102
SSF Vol Surface	0.323288	1	0
SSF Vol Surface	0.323288	0.95	0.0119
SSF Vol Surface	0.150685	1.5	0.0012
SSF Vol Surface	0.150685	1.3	-0.0217
SSF Vol Surface	0.150685	1.1	-0.0208
SSF Vol Surface	0.150685	1.05	-0.0125
SSF Vol Surface	0.073973	1	0
SSF Vol Surface	0.073973	0.9	0.0473
SSF Vol Surface	0	1	0
SSF Vol Surface	0	0.9	0.0473
SSF Vol Surface	1.915068	1.5	-0.0372
SSF Vol Surface	1.915068	0.95	0.0057
SSF Vol Surface	1.915068	0.7	0.0358
SSF Vol Surface	1.665753	0.95	0.0062
SSF Vol Surface	1.665753	0.7	0.0389
SSF Vol Surface	1.39726	0.95	0.0067
SSF Vol Surface	1.39726	0.7	0.043
SSF Vol Surface	1.147945	1.05	-0.0066
SSF Vol Surface	1.147945	0.95	0.0073
SSF Vol Surface	0.994521	1.05	-0.0069
SSF Vol Surface	0.994521	0.95	0.0077
SSF Vol Surface	0.89863	1.05	-0.0072
SSF Vol Surface	0.89863	0.95	0.008
SSF Vol Surface	0.821918	1.3	-0.0317
SSF Vol Surface	0.821918	1.05	-0.0075
SSF Vol Surface	0.745205	1.3	-0.0325
SSF Vol Surface	0.745205	1.05	-0.0079
SSF Vol Surface	0.649315	1.3	-0.033
SSF Vol Surface	0.649315	1.05	-0.0082
SSF Vol Surface	0.649315	0.5	0.1306
SSF Vol Surface	0.572603	1.3	-0.0335
SSF Vol Surface	0.572603	0.5	0.1417
SSF Vol Surface	0.49589	1.3	-0.0341
SSF Vol Surface	0.49589	0.5	0.1558
SSF Vol Surface	0.39726	1.3	-0.0333
SSF Vol Surface	0.39726	0.9	0.0232
SSF Vol Surface	0.39726	0.5	0.1705
SSF Vol Surface	0.323288	0.9	0.0252
SSF Vol Surface	0.323288	0.5	0.1871
SSF Vol Surface	0.246575	0.9	0.0287

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SSF Vol Surface	0.246575	0.5	0.2144
SSF Vol Surface	0.150685	1	0
SSF Vol Surface	0.150685	0.9	0.0338
SSF Vol Surface	0.073973	0.95	0.0219
SSF Vol Surface	0.073973	0.7	0.1794
SSF Vol Surface	0	1.05	-0.0154
SSF Vol Surface	0	0.95	0.0219
SSF Vol Surface	1.915068	0.9	0.0118
SSF Vol Surface	1.915068	0.5	0.0667
SSF Vol Surface	1.665753	1	0
SSF Vol Surface	1.665753	0.9	0.0128
SSF Vol Surface	1.39726	1	0
SSF Vol Surface	1.39726	0.9	0.0139
SSF Vol Surface	1.147945	1	0
SSF Vol Surface	1.147945	0.9	0.0151
SSF Vol Surface	0.994521	1.1	-0.0132
SSF Vol Surface	0.994521	1	0
SSF Vol Surface	0.89863	1.1	-0.0136
SSF Vol Surface	0.89863	1	0
SSF Vol Surface	0.821918	1.1	-0.0141
SSF Vol Surface	0.821918	1	0
SSF Vol Surface	0.745205	1.5	-0.0391
SSF Vol Surface	0.745205	1.1	-0.0148
SSF Vol Surface	0.745205	1	0
SSF Vol Surface	0.649315	1.5	-0.0382
SSF Vol Surface	0.649315	1.1	-0.0154
SSF Vol Surface	0.572603	1.5	-0.0372
SSF Vol Surface	0.572603	1.1	-0.016
SSF Vol Surface	0.572603	0.7	0.0704
SSF Vol Surface	0.49589	1.5	-0.036
SSF Vol Surface	0.49589	1.1	-0.0167
SSF Vol Surface	0.49589	0.7	0.0762
SSF Vol Surface	0.39726	1.5	-0.0318
SSF Vol Surface	0.39726	0.7	0.0833
SSF Vol Surface	0.323288	1.5	-0.0271
SSF Vol Surface	0.323288	0.7	0.0914
SSF Vol Surface	0.246575	1.5	-0.019
SSF Vol Surface	0.246575	0.95	0.0136
SSF Vol Surface	0.246575	0.7	0.1052
SSF Vol Surface	0.150685	0.95	0.0158
SSF Vol Surface	0.150685	0.7	0.1267

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SSF Vol Surface	0.073973	1.1	-0.0224
SSF Vol Surface	0.073973	1.05	-0.0154
SSF Vol Surface	0	0.7	0.1794
SSF Vol Surface	0	0.5	0.3575
SSF Vol Surface	1.915068	1.3	-0.0265
SSF Vol Surface	1.915068	1.1	-0.0103
SSF Vol Surface	1.915068	1.05	-0.0053
SSF Vol Surface	1.915068	1	0
SSF Vol Surface	1.665753	0.5	0.0722
SSF Vol Surface	1.39726	1.5	-0.04
SSF Vol Surface	1.39726	1.3	-0.0295
SSF Vol Surface	1.39726	1.1	-0.0119
SSF Vol Surface	1.39726	1.05	-0.0062
SSF Vol Surface	1.147945	0.7	0.0478
SSF Vol Surface	1.147945	0.5	0.0899
SSF Vol Surface	0.994521	1.5	-0.0381
SSF Vol Surface	0.994521	1.3	-0.0305
SSF Vol Surface	0.89863	0.9	0.0169
SSF Vol Surface	0.89863	0.7	0.0551
SSF Vol Surface	0.89863	0.5	0.1055
SSF Vol Surface	0.821918	1.5	-0.0387
SSF Vol Surface	0.745205	0.95	0.0088
SSF Vol Surface	0.745205	0.9	0.0184
SSF Vol Surface	0.745205	0.7	0.0617
SSF Vol Surface	0.745205	0.5	0.1201
SSF Vol Surface	0.572603	1.05	-0.0085
SSF Vol Surface	0.572603	1	0
SSF Vol Surface	0.572603	0.95	0.0097
SSF Vol Surface	0.572603	0.9	0.0203
SSF Vol Surface	0.39726	1.1	-0.0175
SSF Vol Surface	0.39726	1.05	-0.0095
SSF Vol Surface	0.39726	1	0
SSF Vol Surface	0.39726	0.95	0.011
SSF Vol Surface	0.246575	1.3	-0.0306
SSF Vol Surface	0.246575	1.1	-0.0202
SSF Vol Surface	0.246575	1.05	-0.0114
SSF Vol Surface	0.246575	1	0
SSF Vol Surface	0.150685	0.5	0.2575
SSF Vol Surface	0.073973	1.5	0.0504
SSF Vol Surface	0.073973	1.3	0.0014

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