

APPENDIX

Appendix 1: Data reshaped in Matlab

38.32	63.50	99.33	132.00
38.57	63.21	97.25	130.86
37.97	62.00	97.50	125.71
38.30	61.92	97.17	123.86
37.18	58.28	93.42	122.71
36.50	58.07	88.50	124.57
36.28	58.21	87.58	128.40
36.24	58.28	86.50	131.14
36.02	58.21	89.25	127.71
34.82	59.14	88.50	126.29
34.47	59.07	87.42	130.86
34.79	59.14	89.17	131.57
35.57	58.57	89.33	132.29
36.18	59.64	91.33	132.14
36.44	59.87	91.83	134.00
36.85	60.40	93.17	134.29
37.22	61.00	95.00	133.43
38.30	60.35	96.07	134.07
38.52	61.07	96.29	134.29
39.64	61.07	96.93	133.00
39.64	65.07	95.64	130.57
40.34	65.21	95.14	127.00
40.51	63.42	95.50	123.57
40.47	63.28	96.14	124.86
40.08	64.92	95.14	124.43
39.42	65.50	95.00	128.57
39.42	65.00	94.93	129.00
40.92	66.35	93.93	127.43
41.21	66.21	91.71	127.57
41.12	65.35	90.36	127.43
40.77	66.07	88.79	127.71
41.00	66.07	90.29	127.71
40.58	66.21	90.79	128.29
40.20	66.58	91.21	128.86
40.00	66.14	91.36	130.43
40.05	66.00	89.21	133.43
39.31	67.50	88.00	130.86
39.07	68.05	79.50	129.07
38.70	69.50	79.14	130.57
39.30	70.07	74.29	129.86
39.37	70.28	66.57	129.14

Appendix 1: Data reshaped in Matlab (continued)

36.78	70.85	66.07	130.43
36.97	71.21	65.71	130.71
37.20	71.21	62.36	130.86
36.78	71.01	58.00	131.71
36.27	71.64	54.93	130.43
36.15	72.21	50.29	129.86
36.38	73.28	48.00	129.14
36.52	73.71	46.00	128.14
36.77	73.64	47.64	122.14
36.75	74.38	55.93	118.57
37.22	75.28	58.79	115.29
37.35	76.85	58.00	116.00
37.41	76.92	53.07	113.29
37.72	74.64	58.36	112.57
37.74	74.64	58.50	110.29
37.72	70.42	63.00	110.43
37.77	70.71	58.43	114.57
37.47	70.28	56.07	117.29
38.18	70.78	55.36	118.71
38.11	71.57	54.36	117.86
38.51	71.57	54.43	120.29
38.07	72.28	51.07	119.14
38.45	72.92	46.00	112.43
38.84	72.42	42.23	108.57
38.81	74.38	42.29	110.86
38.61	75.28	42.21	106.57
39.21	76.14	42.29	104.71
39.41	76.47	42.29	104.86
39.50	77.71	40.50	111.14
39.58	78.35	37.29	106.57
39.55	76.00	36.29	106.57
39.61	74.42	29.71	100.57
39.24	73.35	30.14	99.71
39.30	73.07	30.14	99.29
39.64	73.42	31.14	97.71
40.12	75.71	32.21	94.86
39.45	75.92	33.14	93.43
39.61	76.50	37.43	81.14
39.48	75.71	37.57	81.71
38.78	75.35	35.79	84.43
39.35	75.28	39.07	85.57
39.64	75.00	38.93	86.43
39.62	75.29	39.07	90.57
39.82	75.42	39.00	91.00
39.95	75.64	36.29	91.00
39.92	76.28	43.00	91.43

Appendix 1: Data reshaped in Matlab (continued)

40.05	75.71	44.00	91.57
40.05	76.71	44.79	89.71
39.50	77.00	45.93	90.57
39.47	77.92	45.21	92.00
39.85	78.14	45.36	90.71
40.17	78.21	46.21	91.14
40.38	78.50	46.71	91.29
40.57	78.07	47.00	92.29
40.62	78.21	49.00	92.00
40.85	77.71	48.43	88.00
40.88	77.50	46.36	89.43
41.37	77.85	47.29	90.14
41.96	77.42	48.29	90.43
41.40	78.21	47.43	91.86
41.48	78.85	47.29	92.00
41.67	79.71	47.86	91.43
41.91	80.71	48.29	91.14
41.75	85.14	47.21	91.71
42.10	85.92	47.29	91.29
41.91	87.78	46.36	89.71
42.08	88.14	46.21	90.00
41.88	90.92	46.21	90.57
41.72	93.00	46.57	91.86
42.08	93.50	46.79	92.00
42.57	95.35	46.29	93.57
42.71	97.71	46.21	95.57
43.47	97.57	45.29	95.86
44.64	99.28	45.21	101.14
45.04	97.92	46.00	102.00
45.54	95.35	45.29	111.86
45.92	96.00	45.50	112.14
46.78	96.50	45.79	111.86
47.18	97.71	45.00	112.86
53.78	98.00	43.64	113.29
53.14	100.00	44.64	112.57
51.50	101.86	44.43	111.71
51.43	98.92	44.43	110.57
52.00	97.42	46.07	110.86
53.07	95.14	44.50	111.57
53.25	95.42	44.57	114.57
53.78	95.28	44.79	114.71
51.71	95.86	45.43	115.43
50.28	97.79	46.00	115.29
47.00	99.08	46.21	114.00
41.94	99.65	47.00	111.14
42.22	99.28	46.93	111.57

Appendix 1: Data reshaped in Matlab (continued)

42.28	99.57	47.00	112.57
44.25	99.85	47.43	111.14
44.25	99.14	47.64	114.29
41.92	98.64	48.29	112.71
39.92	98.35	50.14	112.57
39.92	95.85	52.00	113.43
40.58	95.14	52.14	113.71
42.07	93.92	57.36	108.71
42.71	93.64	53.19	112.71
43.35	91.92	52.29	112.86
42.00	90.64	50.64	113.14
41.64	83.78	50.86	112.57
41.57	82.00	51.36	111.29
41.11	82.14	54.79	111.29
41.22	79.00	54.71	110.71
41.44	78.50	55.57	111.86
42.14	76.85	54.36	112.71
42.28	76.71	54.93	110.71
43.14	71.85	54.86	109.43
43.14	70.42	54.00	110.57
43.50	72.14	55.00	110.71
45.00	73.00	54.57	110.86
44.35	80.85	54.36	110.57
44.51	76.85	54.14	110.57
44.91	78.14	55.00	109.43
44.14	77.35	54.43	111.29
45.07	76.42	54.21	110.00
44.71	77.07	54.36	110.57
44.85	76.28	54.21	110.57
44.93	72.00	54.21	110.14
44.71	71.57	53.64	110.14
44.71	69.14	54.00	109.43
44.44	70.28	53.50	111.00
43.71	70.35	53.29	109.29
43.14	70.85	52.71	108.57
43.35	71.21	52.21	108.29
43.11	70.42	52.14	108.29
43.67	70.78	51.86	108.43
43.50	67.57	51.29	107.71
43.07	66.85	49.43	108.00
43.25	65.21	49.36	108.71
42.64	65.28	49.43	108.86
42.85	63.57	50.21	110.57
42.85	56.28	50.21	111.57
43.35	56.71	50.57	108.43
43.78	55.71	50.43	108.71

Appendix 1: Data reshaped in Matlab (continued)

44.21	54.00	50.43	100.57
43.71	53.57	50.86	99.43
43.20	55.42	51.29	101.43
43.31	55.57	51.21	102.00
43.48	57.28	52.21	102.29
43.21	58.28	52.36	101.14
43.30	63.28	53.21	100.43
43.35	65.14	53.36	100.00
42.82	58.14	53.43	99.29
43.22	54.28	55.36	91.79
43.30	53.28	56.14	91.14
43.30	54.28	56.57	88.86
44.04	55.71	57.29	89.29
44.30	56.28	57.36	91.86
43.70	58.00	58.29	91.29
44.42	59.71	58.43	93.00
44.34	59.00	60.21	93.29
45.00	60.85	63.43	95.00
45.27	61.21	62.57	88.00
45.44	62.00	63.29	86.14
46.07	61.00	63.43	86.29
46.35	61.00	64.29	87.29
47.21	61.64	64.29	86.43
47.21	60.85	63.36	88.29
46.28	61.71	65.29	89.43
47.08	62.14	64.36	90.14
47.28	62.42	64.86	90.00
46.65	61.21	65.71	89.14
47.15	61.28	66.64	89.29
47.40	61.14	66.29	87.57
48.28	61.21	66.64	87.86
47.91	59.85	67.36	88.43
47.71	56.92	68.36	89.07
46.35	56.57	68.79	89.57
47.32	55.50	69.43	90.57
47.61	55.57	70.29	90.29
47.71	55.57	70.43	91.14
47.28	54.57	66.57	88.86
47.92	53.71	66.00	85.43
47.85	54.28	66.86	86.29
47.50	52.57	66.36	86.86
47.82	50.85	67.43	88.29
48.21	49.92	67.36	90.43
50.34	49.21	68.00	86.86
50.04	48.42	67.64	86.57
50.31	47.64	67.36	85.00

Appendix 1: Data reshaped in Matlab (continued)

50.11	46.50	65.36	81.29
49.64	45.42	65.50	78.29
49.50	45.71	66.43	73.43
49.21	45.14	67.07	74.29
49.44	47.00	67.21	77.00
49.61	46.28	67.14	76.57
48.78	47.07	68.36	76.71
49.28	48.28	68.50	77.00
49.30	48.71	69.21	78.14
48.87	49.00	71.07	78.29
48.64	51.42	72.21	76.43
49.14	51.28	72.57	76.29
49.37	51.42	72.57	76.57
49.64	50.71	72.14	74.71
50.00	51.64	72.43	76.00
50.25	52.71	72.86	75.86
50.41	53.57	72.86	76.79
51.50	55.28	74.36	76.71
51.28	56.71	75.36	79.71
51.71	59.28	75.00	80.71
51.94	60.42	75.29	81.86
52.41	60.78	75.29	86.14
52.25	61.28	74.36	87.21
51.92	62.42	73.50	86.57
52.18	62.92	74.43	87.29
52.21	63.64	74.47	87.36
52.28	62.57	74.50	87.14
52.37	60.42	74.57	86.14
52.57	60.35	75.36	87.14
52.64	61.50	76.29	89.29
52.57	62.42	76.36	90.71
52.14	63.92	76.50	91.29
50.97	67.00	76.50	91.00
51.78	67.00	78.14	89.00
52.21	67.57	78.50	86.14
51.57	68.34	80.29	87.00
52.00	68.14	81.29	87.71
52.28	67.64	80.50	85.36
52.65	68.00	81.36	82.00
52.57	69.35	81.21	82.00
52.75	71.64	82.29	81.71
52.72	73.50	81.36	80.29
52.00	74.50	84.79	78.14
52.42	74.78	83.29	77.43
51.18	75.21	81.29	78.71
51.71	75.92	79.29	77.14

Appendix 1: Data reshaped in Matlab (continued)

50.74	75.64	81.00	78.00
50.57	75.50	82.36	77.00
50.28	73.57	84.07	77.57
50.21	75.00	85.14	78.86
49.97	76.50	85.43	79.00
49.64	77.14	85.50	80.00
49.80	76.92	85.57	79.71
48.12	76.57	86.50	81.14
47.94	77.00	88.36	82.29
47.71	75.71	89.21	80.71
47.30	73.92	90.29	80.29
47.21	74.28	91.21	79.21
46.21	75.07	91.64	79.00
45.67	75.78	92.93	81.00
45.28	72.85	95.00	81.57
45.25	72.57	96.50	82.00
45.50	72.07	95.57	81.86
45.51	70.57	95.36	82.86
45.78	71.14	97.29	84.14
46.28	70.71	96.93	84.21
46.28	71.21	97.50	83.43
45.91	71.42	97.07	84.14
46.07	70.92	95.43	84.14
46.88	71.07	95.50	84.86
47.28	70.57	95.64	84.86
46.35	71.14	95.36	87.57
47.32	71.71	92.93	88.29
47.71	72.14	93.57	88.14
47.35	74.00	94.29	88.71
46.71	74.92	94.36	89.14
46.21	74.07	92.93	89.29
46.21	74.78	90.43	88.71
46.80	75.07	91.29	87.29
46.65	75.35	92.07	87.43
46.14	75.42	94.21	87.29
46.71	75.71	95.07	86.71
46.42	75.85	95.07	87.00
46.32	76.42	96.36	87.29
46.90	76.21	98.21	87.71
46.57	76.71	97.36	87.00
46.30	77.50	99.21	87.71
46.21	77.92	101.29	87.43
46.31	78.14	100.36	88.57
46.57	76.14	101.29	88.57
46.85	76.14	101.36	88.93
46.85	75.42	101.57	88.71

Appendix 1: Data reshaped in Matlab (continued)

46.57	75.57	101.93	88.00
46.64	75.00	101.43	87.71
46.90	75.35	101.71	87.86
47.17	75.28	101.36	87.57
47.22	75.64	102.00	85.71
47.78	75.71	102.29	80.43
47.82	77.21	101.71	79.71
47.92	78.92	101.57	80.43
47.71	79.42	101.71	79.57
47.27	79.21	100.29	80.29
47.30	78.57	101.29	80.86
47.42	78.71	100.36	78.43
47.28	78.64	100.36	78.57
47.32	77.42	101.36	78.00
47.64	78.07	101.64	76.29
47.72	78.14	101.64	76.50
48.31	80.00	102.21	76.71
48.47	77.14	103.29	78.64
48.48	76.50	104.93	78.79
48.54	74.57	107.79	78.86
48.20	74.21	107.36	77.86
48.42	72.71	107.36	77.86
48.38	72.14	108.29	75.71
48.42	71.71	110.29	75.71
48.30	70.71	110.43	74.29
48.35	69.92	112.43	72.29
47.90	71.07	112.71	74.00
47.82	70.14	115.79	74.29
47.50	69.57	117.14	73.00
47.50	69.57	114.43	74.29
47.42	70.35	115.43	69.57
46.80	69.50	118.14	70.14
47.07	69.28	117.29	72.29
47.14	68.64	116.43	73.14
47.04	65.42	113.71	73.71
47.01	65.42	112.50	74.00
46.58	64.92	103.14	77.57
46.04	64.00	97.86	77.14
46.12	64.21	101.57	78.71
45.35	63.50	100.57	84.29
44.04	63.64	102.57	83.43
43.21	63.50	101.14	84.29
42.71	63.71	101.71	84.93
42.45	64.21	103.71	85.14
42.21	63.35	105.14	83.29
42.14	63.57	107.29	83.29

Appendix 1: Data reshaped in Matlab (continued)

41.92	62.85	109.71	84.29
42.48	63.57	110.86	82.14
42.42	64.21	118.14	83.57
41.67	64.85	118.14	82.57
41.25	64.28	117.14	81.43
41.47	64.78	113.86	79.57
41.28	66.14	111.14	81.43
41.70	68.64	109.43	79.71
41.64	69.50	106.29	78.57
42.35	68.64	104.86	79.71
42.78	69.00	104.43	80.43
42.16	68.50	107.86	80.57
42.07	67.85	110.57	80.14
41.71	66.85	111.71	78.43
41.71	65.85	112.43	80.57
42.05	65.64	113.00	78.71
41.98	64.92	112.79	77.71
41.97	64.14	113.29	77.43
41.68	64.92	112.36	77.43
41.80	65.35	113.36	78.14
40.65	65.71	112.86	76.14
40.68	65.64	112.36	76.50
40.82	66.57	110.43	74.57
41.15	67.14	108.43	75.29
41.00	67.50	106.43	74.29
41.02	68.42	104.57	73.29
40.36	68.35	103.43	71.86
40.70	68.50	104.29	72.14
40.68	68.28	104.00	71.29
40.42	67.64	105.14	69.43
40.41	66.92	102.71	69.43
40.50	67.14	98.14	68.86
40.30	66.35	97.50	70.29
40.51	66.64	97.50	70.29
41.00	67.28	97.86	69.14
41.52	67.42	98.14	69.29
41.21	68.28	97.07	70.43
41.52	68.57	95.43	72.00
42.42	69.21	96.29	72.29
42.40	69.78	97.29	73.29
42.78	70.64	98.29	73.07
43.28	69.64	100.43	74.00
43.57	70.14	99.29	73.71
43.30	70.57	98.86	73.29
43.50	70.92	99.29	73.29
44.28	71.00	98.57	75.36

Appendix 1: Data reshaped in Matlab (continued)

44.72	70.85	98.64	75.43
44.78	71.50	100.14	75.43
45.28	71.78	100.43	76.29
45.11	72.71	99.86	76.43
44.57	72.92	100.29	78.29
44.47	73.57	100.29	79.29
44.52	73.43	101.14	79.29
44.78	73.50	103.00	81.14
45.10	74.07	103.14	79.29
45.36	73.57	103.21	79.29
45.21	73.92	103.36	78.86
45.22	80.28	104.21	77.57
45.37	82.42	103.93	77.86
45.58	81.85	104.43	77.29
45.65	82.92	104.50	79.43
45.85	81.85	103.93	78.57
46.27	80.85	103.79	78.43
46.78	79.85	103.86	77.57
46.33	75.71	102.93	76.29
46.58	75.57	101.93	75.29
46.32	74.35	101.36	75.00
46.36	76.21	101.29	74.29
46.50	77.21	103.00	73.43
46.64	76.64	104.00	73.71
46.34	77.14	104.29	72.29
46.50	77.00	105.21	72.50
46.66	76.28	104.29	74.00
46.63	75.00	104.00	74.57
46.87	74.07	103.29	74.14
46.79	72.42	104.14	76.29
47.20	71.64	101.36	76.00
47.41	74.07	102.07	75.43
47.41	76.14	103.29	75.14
47.50	76.71	103.36	74.00
48.11	77.78	104.93	73.57
47.83	77.64	106.14	74.29
48.09	77.00	107.00	74.17
47.76	77.28	107.64	73.57
47.51	80.00	107.57	73.43
47.33	80.21	111.14	72.57
47.66	80.64	111.43	72.29
47.61	80.28	108.43	73.57
47.25	80.35	110.36	73.00
47.74	80.28	110.86	73.07
47.76	80.35	111.00	73.29
47.85	79.71	111.86	72.36

Appendix 1: Data reshaped in Matlab (continued)

48.00	80.42	111.29	72.36
47.64	80.50	112.36	72.71
47.71	80.64	118.71	71.36
47.85	80.42	120.07	72.57
47.87	80.42	121.57	73.29
48.17	81.92	120.43	74.00
48.48	81.64	118.43	73.71
48.32	80.92	118.71	73.71
49.01	80.64	119.00	74.71
48.71	81.07	121.14	75.71
50.42	80.28	122.14	75.50
50.28	80.85	122.07	74.00
50.35	80.07	119.00	74.14
50.28	80.92	119.86	74.57
50.07	81.21	120.71	74.00
52.07	81.64	121.57	71.57
52.14	81.78	121.43	69.00
52.35	82.00	126.00	68.00
52.78	82.50	128.00	67.43
52.86	82.71	128.93	67.29
52.71	83.28	130.43	67.29
53.28	82.07	131.21	67.71
53.38	84.21	131.29	68.07
54.50	84.14	132.36	69.07
55.00	84.00	135.93	68.43
55.50	84.85	136.29	68.14
55.28	84.00	138.00	68.29
55.79	85.00	141.86	67.29
55.00	85.21	141.71	63.43
54.57	85.92	144.00	63.00
54.07	86.07	141.14	62.29
54.57	86.07	141.79	62.57
54.77	84.64	142.43	61.57
54.71	84.92	146.86	61.14
55.21	84.07	149.43	60.43
55.28	84.21	151.14	61.43
56.07	84.07	152.43	62.21
56.21	83.83	152.57	62.36
56.30	84.25	156.00	62.29
56.78	84.25	159.14	64.71
57.35	83.00	159.14	65.00
58.07	82.67	160.43	63.29
60.29	83.33	162.00	63.86
60.36	82.42	165.21	61.93
61.22	82.83	166.00	62.29
62.15	82.17	162.29	62.00

Appendix 1: Data reshaped in Matlab (continued)

62.58	82.25	163.57	63.71
63.29	79.67	162.29	64.86
63.29	80.42	165.57	65.79
64.29	80.75	170.43	65.86
64.65	81.17	170.57	66.43
65.15	81.67	176.71	66.86
65.78	82.42	177.14	67.14
66.78	82.25	178.14	68.29
68.25	83.17	178.29	66.86
69.85	85.08	182.14	67.43
70.07	85.50	185.29	67.00
70.28	85.67	183.43	67.71
68.78	85.67	185.43	67.14
67.21	85.75	185.57	68.14
68.50	85.92	186.43	67.86
68.50	86.00	184.71	68.50
67.50	86.33	163.14	68.00
67.50	86.17	165.00	68.71
65.28	86.58	164.14	68.57
64.92	87.50	162.43	68.86
64.00	88.42	144.86	67.29
60.71	92.33	138.43	65.64
56.33	93.17	156.86	65.43
56.42	95.25	162.43	62.43
56.92	93.83	160.43	61.57
57.21	94.58	160.00	60.14
57.71	95.50	160.00	59.36
58.50	96.50	160.43	60.36
58.71	97.17	160.43	60.21
59.14	99.17	165.00	61.00
59.21	98.67	170.43	60.79
61.64	98.42	171.43	60.50
62.00	96.50	172.14	59.29
62.57	96.83	170.86	57.29
65.14	98.00	158.86	61.00
65.71	100.42	159.14	60.43
66.07	101.83	156.86	61.50
66.42	103.00	160.43	62.14
66.64	103.33	156.86	61.86
65.28	103.83	151.71	62.64
65.35	102.83	151.86	62.79
65.21	103.33	145.43	63.50
64.92	102.58	146.57	63.29
64.50	101.33	146.57	62.00
65.21	101.17	143.57	61.43
65.57	101.83	140.57	60.43

Appendix 1: Data reshaped in Matlab (continued)

65.50	102.42	138.40	60.71
65.64	102.50	141.57	43.71
65.58	105.00	144.29	61.57
63.42	104.42	143.00	62.21
64.38	104.75	141.71	62.71
63.21	104.83	142.71	62.79
64.35	104.50	142.14	62.29
64.14	104.83	143.43	63.43
65.35	105.25	145.57	63.71
65.21	104.42	146.00	63.93
65.42	103.58	145.86	64.10
65.28	104.17	146.57	64.64
65.28	104.50	146.86	64.93
65.20	103.50	147.57	64.50
65.50	103.00	147.43	63.93
65.57	101.67	146.14	64.00
65.50	100.25	147.14	63.07
65.07	100.08	140.86	63.07
64.42	99.50	140.86	63.71
63.64	98.42	140.71	62.00
64.00	98.50	135.43	59.57

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Appendix 2: The Matlab Code for Hurst exponent and V-statistics

```
X=cumsum(price_return-mean(price_return));
X=transpose(X);
scale=[4,8,16,32,64,128,256,512,1024];
F=zeros(1,length(scale));
m=1;
for ns=1:length(scale)
    segments(ns)=floor(length(X)/scale(ns));
    for v=1:segments(ns),
        Idx_start=((v-1)*scale(ns))+1;
        Idx_stop=v*scale(ns);
        Index{v,ns}=Idx_start:Idx_stop;
        X_Idx=X(Index{v,ns});
        C=polyfit(Index{v,ns},X(Index{v,ns}),m);
        fit{v,ns}=polyval(C,Index{v,ns});
        RMS{ns}(v)=sqrt(mean((X_Idx-fit{v,ns}).^2));
    end
    F(ns)=sqrt(mean(RMS{ns}.^2));
end
const=polyfit(log(scale),log(F),1);
Hurst=const(1)
log_C=const(2)
vn=F./sqrt(scale);
clear all
```

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Appendix 3: The Results for Scales and R/S

Scales	Log(scales)	R/S	Log(R/S)
4	1.386294	0.701671	-0.35429
8	2.079442	1.236142	0.211995
16	2.772589	1.897764	0.640676
32	3.465736	3.026748	1.107489
64	4.158883	4.172422	1.428497
128	4.85203	6.808815	1.918218
256	5.545177	12.00229	2.485098
512	6.238325	15.875	2.764746
1024	6.931472	20.45746	3.018347
2048	7.624619	20.48015	3.019456

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Appendix 4: Vn Calculated by Matlab

Scale	Log(scale)	Vn	Slope of Vn
4	1.3863	0.3508	NA
5	1.6094	0.4260	0.3369
6	1.7918	0.4126	-0.0738
7	1.9459	0.4241	0.0750
8	2.0794	0.4370	0.0969
9	2.1972	0.4371	0.0003
10	2.3026	0.4456	0.0807
11	2.3979	0.4857	0.4211
12	2.4849	0.4677	-0.2072
13	2.5649	0.4740	0.0785
14	2.6391	0.4694	-0.0621
15	2.7081	0.4621	-0.1056
16	2.7726	0.4744	0.1916
17	2.8332	0.4766	0.0360
18	2.8904	0.4875	0.1909
19	2.9444	0.4787	-0.1633
20	2.9957	0.4990	0.3950
21	3.0445	0.5185	0.4001
22	3.0910	0.4920	-0.5698
23	3.1355	0.5212	0.6580
24	3.1781	0.5056	-0.3682
25	3.2189	0.4833	-0.5451
26	3.2581	0.5271	1.1177
27	3.2958	0.5053	-0.5783
28	3.3322	0.4847	-0.5667
29	3.3673	0.5144	0.8462
30	3.4012	0.5055	-0.2638
31	3.4340	0.5034	-0.0628
32	3.4657	0.5351	0.9970
33	3.4965	0.4893	-1.4874
34	3.5264	0.5439	1.8290
35	3.5553	0.5198	-0.8307
36	3.5835	0.5352	0.5456
37	3.6109	0.5446	0.3437
38	3.6376	0.5159	-1.0746
39	3.6636	0.5010	-0.5754
40	3.6889	0.5177	0.6601
41	3.7136	0.5321	0.5830
42	3.7377	0.5026	-1.2232
43	3.7612	0.5332	1.2990
44	3.7842	0.5529	0.8586
45	3.8067	0.5237	-1.3000
46	3.8286	0.5058	-0.8174
47	3.8501	0.4715	-1.5908
48	3.8712	0.5306	2.8028

Appendix 4: Vn Calculated by Matlab (continued)

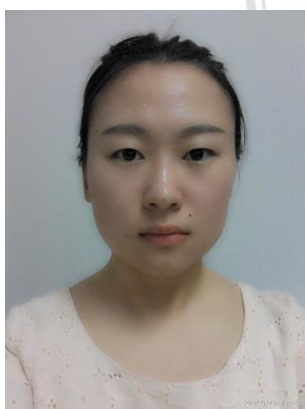
Scale	Log(scale)	Vn	Slope of Vn
49	3.8918	0.5297	-0.0398
50	3.9120	0.4775	-2.5866
51	3.9318	0.5041	1.3426
52	3.9512	0.5519	2.4627
53	3.9703	0.4936	-3.0581
54	3.9890	0.5441	2.6995
55	4.0073	0.5046	-2.1532
56	4.0254	0.5287	1.3373
57	4.0431	0.4976	-1.7580
58	4.0604	0.5116	0.8096
59	4.0775	0.4915	-1.1782
60	4.0943	0.5723	4.8077
61	4.1109	0.5021	-4.2456
62	4.1271	0.5263	1.4852
63	4.1431	0.5158	-0.6571
64	4.1589	0.5216	0.3675
65	4.1744	0.5303	0.5620
66	4.1897	0.5196	-0.6985
67	4.2047	0.5405	1.3890
68	4.2195	0.5168	-1.5963
69	4.2341	0.4957	-1.4447
70	4.2485	0.5598	4.4550
71	4.2627	0.4870	-5.1339
72	4.2767	0.5130	1.8541
73	4.2905	0.5930	5.8046
74	4.3041	0.5238	-5.0870
75	4.3175	0.4789	-3.3481
76	4.3307	0.5508	5.4324
77	4.3438	0.5731	1.7010
78	4.3567	0.4951	-6.0432
79	4.3694	0.5167	1.6997
80	4.3820	0.5814	5.1383
81	4.3944	0.5289	-4.2236
82	4.4067	0.5335	0.3789
83	4.4188	0.5751	3.4294
84	4.4308	0.5561	-1.5914
85	4.4427	0.5532	-0.2434
86	4.4543	0.5017	-4.3990
87	4.4659	0.4946	-0.6204
88	4.4773	0.5424	4.1890
89	4.4886	0.6006	5.1499
90	4.4998	0.5480	-4.7078
91	4.5109	0.5278	-1.8254
92	4.5218	0.5406	1.1695
93	4.5326	0.5395	-0.1030

Appendix 4: Vn Calculated by Matlab (continued)

Scale	Log(scale)	Vn	Slope of Vn
94	4.5433	0.5993	5.5903
95	4.5539	0.5764	-2.1642
96	4.5643	0.5463	-2.8737
97	4.5747	0.5574	1.0690
98	4.5850	0.5096	-4.6557
99	4.5951	0.5626	5.2200
100	4.6052	0.5823	1.9533
101	4.6151	0.5068	-7.5872
102	4.6250	0.5082	0.1457
103	4.6347	0.5466	3.9311
104	4.6444	0.5547	0.8472
105	4.6540	0.5976	4.4744
106	4.6634	0.6369	4.1538
107	4.6728	0.6041	-3.4927
108	4.6821	0.6090	0.5215
109	4.6913	0.5759	-3.5942
110	4.7005	0.5480	-3.0545
111	4.7095	0.4964	-5.6940
112	4.7185	0.5357	4.3729
113	4.7274	0.5697	3.8253
114	4.7362	0.6046	3.9654
115	4.7449	0.6128	0.9440
116	4.7536	0.5887	-2.7863
117	4.7622	0.5279	-7.0807
118	4.7707	0.4953	-3.8325
119	4.7791	0.5477	6.2054
120	4.7875	0.5739	3.1328
121	4.7958	0.5920	2.1765
122	4.8040	0.6177	3.1291
123	4.8122	0.6304	1.5556
124	4.8203	0.6028	-3.4078
125	4.8283	0.5835	-2.4061
126	4.8363	0.5744	-1.1447
127	4.8442	0.5918	2.2070
128	4.8520	0.6018	1.2739
129	4.8598	0.5773	-3.1542
130	4.8675	0.5661	-1.4483
131	4.8752	0.6054	5.1345
132	4.8828	0.6596	7.1235
133	4.8903	0.6441	-2.0504
134	4.8978	0.6090	-4.6909
135	4.9053	0.5378	-9.5737
136	4.9127	0.5268	-1.4863
137	4.9200	0.5406	1.8738
138	4.9273	0.5355	-0.6931

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