

Time-exponents BWS

March 17, 2017

1 Scaling exponents in time (β) [$h=0.1$]

1-D

$h = 0.1$

Range = [8000.000000, 35001.000000]

1st moment

A = 2.091308 (± 0.009128)	B = 0.003458 (± 0.000449)			Q = 0.993289
A = 2.191116 (± 0.118344)	B = -0.000514 (± 0.004606)	C = -2.199100 (± 2.557864)		Q = 1.000000
A = 2.191120 (± 2.260797)	B = -0.000514 (± 0.075139)	C = -2.197655 (± 119.635743)	D = -0.500426 (± 9.584461)	Q = 1.000000

2nd moment

A = 6.423272 (± 0.256863)	B = 0.117097 (± 0.004167)			Q = 0.974620
A = 9.970542 (± 4.722561)	B = 0.079302 (± 0.040558)	C = -86.995954 (± 100.108624)		Q = 0.999830
A = 9.979337 (± 90.173248)	B = 0.079204 (± 0.659977)	C = -88.565195 (± 4772.718199)	D = -0.422207 (± 9.515676)	Q = 0.999549

3rd moment

A = 7.884063 (± 0.844373)	B = 0.510325 (± 0.011188)			Q = 0.986600
A = 11.474953 (± 14.881448)	B = 0.478187 (± 0.111098)	C = -87.305251 (± 314.562898)		Q = 0.991929
A = 12.706669 (± 157.540416)	B = 0.467472 (± 0.982689)	C = -555.186216 (± 63131.891944)	D = -0.218080 (± 16.941864)	Q = 0.992604

4th moment

A = 8.453964 (± 1.390917)	B = 0.992357 (± 0.017170)			Q = 0.961997
A = 14.464500 (± 28.362094)	B = 0.946372 (± 0.167939)	C = -154.334380 (± 599.712326)		Q = 0.970347
A = 19.979964 (± 230.504043)	B = 0.913042 (± 0.958965)	C = -6545.718418 (± 552761.444546)	D = 0.054920 (± 11.597291)	Q = 0.993464

5th moment

A = 10.342203 (± 2.298051)	B = 1.484819 (± 0.023177)			Q = 0.913641
A = 20.029939 (± 53.401894)	B = 1.426448 (± 0.228350)	C = -232.733988 (± 1128.501849)		Q = 0.898511
A = 38.074561 (± 426.582015)	B = 1.362802 (± 0.957063)	C = -59652.448469 (± 4095944.590936)	D = 0.367148 (± 9.048796)	Q = 0.994416

6th moment

A = 13.792605 (± 3.995633)	B = 1.979634 (± 0.030233)			Q = 0.859098
A = 143.485767 (± 394.388800)	B = 1.774206 (± 0.235877)	C = -5140.438318 (± 8259.403622)		Q = 0.983717
A = 168.269640 (± 7211.870081)	B = 1.757167 (± 3.217202)	C = -9669.237265 (± 656072.270227)	D = 1.207265 (± 11.324324)	Q = 0.985399

2 Scaling exponents in system size ($h=0.1$)

1-D

Range = [31.000000, 512.000000]

1st moment

A = 2.006145 (± 0.002375)	B = 0.013859 (± 0.000254)			Q = 0.000000
A = 2.367118 (± 0.018883)	B = -0.010466 (± 0.001181)	C = -1.100227 (± 0.054713)		Q = 0.530153
A = 2.238737 (± 0.092172)	B = -0.003717 (± 0.005406)	C = -1.457957 (± 0.653086)	D = -0.733055 (± 0.252323)	Q = 0.679130

2nd moment

A = 4.215709 (± 0.035398)	B = 0.302888 (± 0.002178)			Q = 0.000000
A = 10.120712 (± 0.677859)	B = 0.160991 (± 0.010694)	C = -18.415350 (± 1.731822)		Q = 0.036584
A = 14.535702 (± 30.533162)	B = 0.123665 (± 0.191759)	C = -19.990301 (± 22.112528)	D = -0.190679 (± 0.577815)	Q = 0.021611

3rd moment

A = 3.832168 (± 0.076086)	B = 1.102516 (± 0.005351)			Q = 0.000143
A = 6.812900 (± 1.269399)	B = 1.008519 (± 0.030185)	C = -8.538208 (± 3.172420)		Q = 0.113279
A = 8.613665 (± 32.045240)	B = 0.976582 (± 0.390511)	C = -10.800714 (± 12.668382)	D = 0.575672 (± 1.861268)	Q = 0.054030

4th moment

A = 3.006077 (± 0.083417)	B = 2.064124 (± 0.007521)			Q = 0.146001
A = 4.339255 (± 1.199762)	B = 2.004304 (± 0.044840)	C = -3.629853 (± 2.993575)		Q = 0.183935
A = 4.351472 (± 16.420770)	B = 2.004272 (± 0.436735)	C = -3.548251 (± 5.312848)	D = 1.516295 (± 4.694221)	Q = 0.066030

5th moment

A = 2.498944 (± 0.082440)	B = 3.054898 (± 0.008949)			Q = 0.327779
A = 2.990665 (± 1.020489)	B = 3.025849 (± 0.055268)	C = -1.287263 (± 2.551312)		Q = 0.207468
A = 3.000686 (± 15.068261)	B = 3.025843 (± 0.571742)	C = -1.217877 (± 3.105024)	D = 2.554179 (± 11.501220)	Q = 0.076403

6th moment

A = 2.186586 (± 0.080354)	B = 4.052123 (± 0.009968)			Q = 0.393043
A = 2.312179 (± 0.900164)	B = 4.043112 (± 0.062986)	C = -0.317615 (± 2.254416)		Q = 0.226702
A = 2.321271 (± 18.108615)	B = 4.043110 (± 0.829881)	C = -0.273035 (± 6.119528)	D = 3.631417 (± 44.288807)	Q = 0.085148