Test Results

Table 1. Summary Statistics (entire period: 1991–1998)

Emerging Indices	BUX	WIG	PX-50	SAX	RICI	TALSE
Mean Return (%)	0.1052	0.1466	0.0264	0.0062	0.2559	0.0064
Std.Dev. (%)	1.4884	2.4712	1.3670	1.9569	2.6867	3.0287
Sharpe Ratio	0.0707	0.0593	0.0193	0.0032	0.0952	0.0021
Skewness	-1.2591	0.0005	3.3600	3.6532	3.3560	-1.1235
Kurtosis	21.8388	5.1183	33.2941	46.4066	36.9657	8.7240
Minimum (%)	-18.0331	-11.3443	-7.5664	-12.4540	-10.3165	-21.5765
Maximum (%)	11.4491	14.7831	15.3905	27.5531	32.0365	12.8667
Normality Chi ^ 2	3389.4**	802.94**	641.79**	862.84**	336.56**	289.37**

Developed Indices	DAX	NYSE	GT-30
Mean Return (%)	0.0550	0.0545	-0.0228
Std.Dev. (%)	1.1276	0.7428	0.7207
Sharpe Ratio	0.0488	0.0734	-0.0316
Skewness	-0.6666	-0.6731	0.1782
Kurtosis	5.8813	9.3293	1.5699
Minimum (%)	-8.3822	-6.7911	-2.5954
Maximum (%)	6.7173	4.4796	3.8273
Normality Chi ^ 2	750.08**	1525.2**	137.14**

Table 2. Summary Statistics (1991)

Emerging Indices	BUX	WIG	PX-50	SAX	RICI	TALSE
Mean Return (%)	-0.0682	-0.0454				
Std.Dev. (%)	1.0188	2.1548				
Sharpe Ratio	-0.0669	-0.0211				
Skewness	-0.2423	0.3969				
Kurtosis	5.8085	11.2876				
Minimum (%)	-6.0946	-10.2542				
Maximum (%)	3.7857	8.9901				
Normality Chi ^ 2	147.48**	252.78**				

Table 3. Summary Statistics (1992)

Emerging Indices	BUX	WIG	PX-50	SAX	RICI	TALSE
Mean Return (%)	0.0236	0.0476				
Std.Dev. (%)	0.9056	1.6712				
Sharpe Ratio	0.0261	0.0285				
Skewness	-1.3862	1.7099				
Kurtosis	11.5064	9.3499				
Minimum (%)	-6.1299	-5.4970				
Maximum (%)	3.2184	9.1406				
Normality Chi ^ 2	161.69**	76.731**				

Table 4. Summary Statistics (1993)

Emerging Indices	BUX	WIG	PX-50	SAX	RICI	TALSE
Mean Return (%)	0.1346	0.9542	0.8961	0.1173		
Std.Dev. (%)	1.0895	3.3354	3.1245	1.1254		
Sharpe Ratio	0.1235	0.2861	0.2868	0.1042		
Skewness	0.6942	0.0281	3.1098	0.3618		
Kurtosis	5.5155	2.0309	10.0481	4.2986		
Minimum (%)	-5.2093	-10.1953	-4.1110	-4.0448		
Maximum (%)	5.3000	9.4060	15.3905	4.2828		
Normality Chi ^ 2	101.98**	34.241**	310.58**	40.116**		

Table 5. Summary Statistics (1994)

Emerging Indices	BUX	WIG	PX-50	SAX	RICI	TALSE
Mean Return (%)	0.0581	-0.1960	-0.0906	0.2614		
Std.Dev. (%)	1.5155	3.8118	1.7750	3.6064		
Sharpe Ratio	0.0383	-0.0514	-0.0510	0.0725		
Skewness	0.3709	-0.3263	0.8553	2.6640		
Kurtosis	7.0071	1.4743	5.6085	16.1922		
Minimum (%)	-7.1350	-11.3443	-7.5664	-12.4540		
Maximum (%)	7.0288	14.7831	7.0221	27.5531		
Normality Chi ^ 2	181.19**	18.591**	87.561**	132.73**		

Table 6. Summary Statistics (1995)

Emerging Indices	BUX	WIG	PX-50	SAX	RICI	TALSE
Mean Return (%)	0.0151	0.0058	-0.1034	-0.1310		
Std.Dev. (%)	0.9199	2.2434	0.7547	0.9981		
Sharpe Ratio	0.0164	0.0026	-0.1370	-0.1312		
Skewness	-1.1418	0.3049	-0.3091	-3.5141		
Kurtosis	8.6073	1.6440	3.0880	28.2886		
Minimum (%)	-5.6995	-7.3533	-3.1260	-9.4084		
Maximum (%)	3.7130	7.4611	2.4586	1.8381		
Normality Chi ^ 2	128.74**	22.20**	57.961**	183.18**		

Table 7. Summary Statistics (1996)

Emerging Indices	BUX	WIG	PX-50	SAX	RICI	TALSE
Mean Return (%)	0.3797	0.2431	0.0903	0.0578	0.7322	0.3126
Std.Dev. (%)	1.4666	1.4633	0.6886	1.1565	3.5145	1.5754
Sharpe Ratio	0.2589	0.1661	0.1311	0.0500	0.2083	0.1984
Skewness	0.7500	0.2396	-0.5188	-0.0503	3.8171	-0.1517
Kurtosis	4.0015	0.5878	7.3741	2.3593	31.6306	11.3028
Minimum (%)	-5.1247	-4.4740	-4.2253	-4.2486	-10.1261	-8.7684
Maximum (%)	8.1212	4.6599	2.7923	4.9165	32.0365	7.5119
Normality Chi ^ 2	57.359**	5.5402	181.65**	43.086**	165.09**	224.68**

Table 8. Summary Statistics (1997)

Emerging Indices	BUX	WIG	PX-50	SAX	RICI	TALSE
Mean Return (%)	0.2529	0.0086	-0.0328	0.0074	0.2204	0.1931
Std.Dev. (%)	2.4506	1.6157	0.9907	1.2371	2.1894	3.2301
Sharpe Ratio	0.1032	0.0053	-0.0331	0.0060	0.1007	0.0598
Skewness	-2.1262	-0.9412	-0.3519	1.2383	0.6673	-2.0174
Kurtosis	17.0281	7.1669	2.8244	15.0454	7.1390	13.5903
Minimum (%)	-18.0331	-10.2864	-4.4366	-5.9514	-10.3165	-21.5765
Maximum (%)	11.4491	6.8323	4.3134	9.5738	11.4724	12.8667
Normality Chi ^ 2	135.39**	119.82**	49.329**	305.23**	156.0**	101.0**

Table 9. Summary Statistics (1998)

Emerging Indices	BUX	WIG	PX-50	SAX	RICI	TALSE
Mean Return (%)	-0.0190	0.1052	-0.0456	-0.4066	-0.5638	-0.4029
Std.Dev. (%)	2.0568	1.4884	0.9399	1.3981	1.5814	3.4412
Sharpe Ratio	-0.0092	0.0707	-0.0485	-0.2908	-0.3565	-0.1171
Skewness	-1.0799	-1.2591	0.4470	-0.6938	-1.1596	-0.0797
Kurtosis	5.5668	21.8388	1.0577	3.7583	2.8312	1.8935
Minimum (%)	-9.4436	-18.0331	-2.4298	-6.8945	-6.5753	-13.1196
Maximum (%)	7.2274	11.4491	3.0119	4.3604	3.1724	9.6176
Normality Chi ^ 2	40.41**	3389.4**	7.3127*	33.815**	18.013**	28.02**

Table 10. Correlation (entire period: 1991–1998)

Differ.	BUX	WIG	PX-50	SAX	RICI	TALSE	DAX	NYSE	GT-30
BUX	1.000								
WIG	0.1457	1.000							
PX-50	0.1276	0.1283	1.000						
SAX	0.0773	0.0196	0.1254	1.000					
RICI	0.0286	0.0663	0.0168	0.0760	1.000				
TALSE	0.1879	0.1889	0.0745	0.0267	0.0991	1.000			
DAX	0.2553	0.0987	-0.0010	0.0017	-0.0600	0.1426	1.000		
NYSE	0.1010	0.0506	0.0057	-0.0160	-0.0420	-0.0120	0.2532	1.000	
GT-30	0.0039	0.0029	0.0704	0.0374	0.0720	0.0990	-0.0470	-0.3590	1.000

Table 11. Correlation (1991)

Differ.	BUX	WIG	PX-50	SAX	RICI	TALSE	DAX	NYSE	GT-30
BUX	1.000								
WIG	0.0782	1.000							
PX-50			1.000						
SAX				1.000					
RICI					1.000				
TALSE						1.000			
DAX	0.0779	0.0236					1.000		
NYSE	0.0391	0.0621					0.3466	1.000	
GT-30	0.0433	-0.0446					-0.1551	-0.4199	1.000

Table 12. Correlation (1992)

Differ.	BUX	WIG	PX-50	SAX	RICI	TALSE	DAX	NYSE	GT-30
BUX	1.000								
WIG	0.0004	1.000							
PX-50			1.000						
SAX				1.000					
RICI					1.000				
TALSE						1.000			
DAX	-0.0359	0.0119					1.000		
NYSE	-0.0309	-0.1186					0.1916	1.000	
GT-30	0.0844	-0.0667					-0.0044	-0.2194	1.000

Table 13. Correlation (1993)

Differ.	BUX	WIG	PX-50	SAX	RICI	TALSE	DAX	NYSE	GT-30
BUX	1.000								
WIG	-0.1089	1.000							
PX-50	-0.0788	0.1068	1.000						
SAX	-0.0750	0.2173	0.0835	1.000					
RICI					1.000				
TALSE						1.000			
DAX	0.0727	0.0047	-0.0447	0.0819			1.000		
NYSE	0.0801	0.0361	-0.2330	-0.0968			0.1166	1.000	
GT-30	-0.0361	-0.0233	0.0743	0.1089			-0.0351	-0.3621	1.000

Table 14. Correlation (1994)

Differ.	BUX	WIG	PX-50	SAX	RICI	TALSE	DAX	NYSE	GT-30
BUX	1.000								
WIG	0.0414	1.000							
PX-50	0.2167	0.1076	1.000						
SAX	0.1720	0.0088	0.2175	1.000					
RICI					1.000				
TALSE						1.000			
DAX	0.1000	-0.0355	-0.1126	0.0099			1.000		
NYSE	0.1561	0.1037	-0.0636	0.0083			0.1709	1.000	
GT-30	-0.0144	-0.0362	0.0656	0.0442			0.0083	-0.6045	1.000

Table 15. Correlation (1995)

Differ.	BUX	WIG	PX-50	SAX	RICI	TALSE	DAX	NYSE	GT-30
BUX	1.000								
WIG	0.0752	1.000							
PX-50	0.1248	0.0781	1.000						
SAX	-0.0001	0.0449	-0.0709	1.000					
RICI					1.000				
TALSE						1.000			
DAX	0.0691	0.0978	0.0569	0.0071			1.000		
NYSE	0.0613	0.0332	0.0134	-0.0333			0.1672	1.000	
GT-30	-0.0349	0.0468	0.1110	0.0188			-0.1751	-0.4997	1.000

Table 16. Correlation (1996)

Differ.	BUX	WIG	PX-50	SAX	RICI	TALSE	DAX	NYSE	GT-30
BUX	1.000								
WIG	0.3526	1.000							
PX-50	0.1630	0.1340	1.000						
SAX	0.1113	-0.0009	0.0785	1.000					
RICI	0.1009	0.1138	-0.0372	-0.0185	1.000				
TALSE	0.0771	0.0751	-0.0455	-0.1435	-0.0280	1.000			
DAX	0.1735	0.1752	0.0376	0.0212	-0.0536	0.0213	1.000		
NYSE	0.1492	0.0134	0.0181	0.0584	0.0204	0.0111	0.1851	1.000	
GT-30	-0.0126	0.1535	0.0796	-0.0433	0.0651	0.1300	-0.0071	-0.6213	1.000

Table 17. Correlation (1997)

Differ.	BUX	WIG	PX-50	SAX	RICI	TALSE	DAX	NYSE	GT-30
BUX	1.000								
WIG	0.5471	1.000							
PX-50	0.1269	0.1775	1.000						
SAX	-0.0320	-0.0637	0.0055	1.000					
RICI	-0.0146	0.0119	0.0399	0.1457	1.000				
TALSE	0.1255	0.1399	0.0279	-0.0008	0.0924	1.000			
DAX	0.4936	0.4235	0.0154	-0.0913	-0.0911	0.1574	1.000		
NYSE	0.0851	0.1102	0.0904	-0.0449	-0.0887	-0.1388	0.2713	1.000	
GT-30	-0.0628	-0.0263	0.0731	0.1104	0.0903	0.0717	-0.0406	-0.1830	1.000

Table 18. Correlation (1998)

Differ.	BUX	WIG	PX-50	SAX	RICI	TALSE	DAX	NYSE	GT-30
BUX	1.000								
WIG	0.3937	1.000							
PX-50	0.3460	0.2855	1.000						
SAX	0.1278	0.1334	0.1195	1.000					
RICI	0.0079	0.1523	0.0631	0.1090	1.000				
TALSE	0.3690	0.3440	0.2260	0.1288	0.3041	1.000			
DAX	0.4739	0.3182	0.1925	0.1667	0.0530	0.1393	1.000		
NYSE	0.2408	0.1948	0.2327	-0.0923	-0.0477	0.1338	0.4952	1.000	
GT-30	0.1805	0.1582	0.1004	-0.0078	0.0629	0.1221	0.1697	0.2830	1.000

Table 19. Correlation in Levels (entire period: 1991–1998)

Levels	BUX	WIG	PX-50	SAX	RICI	TALSE	DAX	NYSE	GT-30
BUX	1.000								
WIG	0.7671	1.000							
PX-50	-0.0960	0.3582	1.000						
SAX	-0.0991	0.1722	0.6061	1.000					
RICI	0.8671	0.7906	-0.2820	-0.4680	1.000				
TALSE	0.8377	0.6861	-0.1970	-0.3201	0.8877	1.000			
DAX	0.9642	0.7683	-0.1861	-0.2770	0.7407	0.4199	1.000		
NYSE	0.9487	0.7499	-0.3211	-0.2834	0.7358	0.4765	0.9704	1.000	
GT-30	-0.5840	-0.6580	0.3610	0.5994	-0.4550	-0.0281	-0.6874	-0.7412	1.000

Table 20. Unit Roots (entire period: 1991–1998)

Index	DF levels	DF differences	ADF levels (lag)	ADF differences (lag)
BUX	1.2269	-37.928**	0.92876 (1)	-27.685** (1)
WIG	-1.1757	-36.087**	-1.1573 (2)	-25.358** (1)
PX-50	-1.9666	-30.149**	-2.6532 (10)	-7.6471** (9)
SAX	-1.4774	-31.149**	-2.7868 (7)	-9.7484** (4)
RICI	-1.2621	-21.481**	-1.6113 (9)	-8.3378** (4)
TALSE	-0.99551	-21.173**	-1.1931 (3)	-13.492** (2)
DAX	-0.50945	-44.391**	-0.48178 (2)	-33.314** (1)
NYSE	-0.77149	-27.163**	-0.74835 (3)	-11.152** (6)
GT-30	-0.60606	-44.630**	-0.50555 (4)	-27.613** (2)

* denotes significance at 5%, ** denotes significance at 1%
Critical values: 5%=-2.866, 1%=-3.443; constant included

Table 21. Unit Roots (1991)

Index	DF levels	DF differences	ADF levels (lag)	ADF differences (lag)
BUX	0.082925	-14.903**	-0.48254 (9)	-3.8849** (8)
WIG	-1.2804	-13.146**	-1.4532 (10)	-4.3308** (9)
PX-50				
SAX				
RICI				
TALSE				

* denotes significance at 5%, ** denotes significance at 1%
Critical values: 5%=-2.866, 1%=-3.443; constant included

Table 22. Unit Roots (1992)

Index	DF levels	DF differences	ADF levels (lag)	ADF differences (lag)
BUX	-1.9630	-15.639**	-2.2894 (3)	-7.2163** (2)
WIG	-0.81032	-15.928**	-1.5434 (3)	-6.5275** (2)
PX-50				
SAX				
RICI				
TALSE				

* denotes significance at 5%, ** denotes significance at 1%
Critical values: 5%=-2.866, 1%=-3.443; constant included

Table 23. Unit Roots (1993)

Index	DF levels	DF differences	ADF levels (lag)	ADF differences (lag)
BUX	0.92740	-13.073**	0.56601 (1)	-3.9107** (7)
WIG	-0.039180	-13.694**	-0.26425 (2)	-8.1937** (1)
PX-50	-1.1681	-9.5726**	-1.4688 (5)	-5.1331** (1)
SAX	-1.4337	-9.4923**	-1.4371 (3)	-6.8101** (1)
RICI				
TALSE				

* denotes significance at 5%, ** denotes significance at 1%
Critical values: 5%=-2.866, 1%=-3.443; constant included

Table 24. Unit Roots (1994)

Index	DF levels	DF differences	ADF levels (lag)	ADF differences (lag)
BUX	-2.2545	-9.6571**	-2.6845 (1)	-3.8275** (8)
WIG	-0.79444	-12.502**	-1.0593 (5)	-6.9787** (4)
PX-50	-0.11651	-13.297**	-1.0308 (10)	-3.5866** (9)
SAX	-2.1597	-13.045**	-2.8518 (7)	-3.7464** (4)
RICI				
TALSE				

* denotes significance at 5%, ** denotes significance at 1%
Critical values: 5%=-2.866, 1%=-3.443; constant included

Table 25. Unit Roots (1995)

Index	DF levels	DF differences	ADF levels (lag)	ADF differences (lag)
BUX	-0.62553	-11.311**	-0.99499 (1)	-3.4449* (11)
WIG	-1.5283	-13.645**	-1.7525 (1)	-3.9424** (19)
PX-50	-5.5793**	-9.2019**	-4.3710** (4)	-7.7927** (3)
SAX	-0.72314	-15.102**	-1.0037 (6)	-4.9886** (5)
RICI				
TALSE				

* denotes significance at 5%, ** denotes significance at 1%
Critical values: 5%=-2.866, 1%=-3.443; constant included

Table 26. Unit Roots (1996)

Index	DF levels	DF differences	ADF levels (lag)	ADF differences (lag)
BUX	-1.8471	-10.763**	-1.4911 (1)	-4.5696** (15)
WIG	-3.2784*	-12.185**	-2.8080 (1)	-9.9919** (1)
PX-50	-2.5106	-11.725**	-2.1001 (1)	-4.4120** (8)
SAX	-2.4394	-15.887**	-2.3986 (7)	-5.2548** (4)
RICI	-0.61408	-12.348**	-0.83108 (5)	-3.6842** (4)
TALSE	2.1958	-7.7764**	2.0928 (2)	-9.3194** (1)

* denotes significance at 5%, ** denotes significance at 1%
Critical values: 5%=-2.866, 1%=-3.443; constant included

Table 27. Unit Roots (1997)

Index	DF levels	DF differences	ADF levels (lag)	ADF differences (lag)
BUX	-1.6611	-16.905**	-1.5670 (6)	-8.1002** (5)
WIG	-1.8247	-13.225**	-2.2168 (1)	-7.1480** (5)
PX-50	-1.0454	-11.697**	-1.2855 (2)	-10.756** (1)
SAX	-1.3820	-18.201**	-1.2273 (1)	-8.7125** (4)
RICI	-5.5844**	-11.744**	-4.7534** (3)	-6.4482** (2)
TALSE	-1.4045	-13.394**	-1.4551 (4)	-8.4823** (3)

* denotes significance at 5%, ** denotes significance at 1%
Critical values: 5%=-2.866, 1%=-3.443; constant included

Table 28. Unit Roots (1998)

Index	DF levels	DF differences	ADF levels (lag)	ADF differences (lag)
BUX	-1.7756	-9.5106**	-1.3276 (6)	-6.4624** (5)
WIG	-1.6777	-8.6198**	-1.8418 (1)	-5.6864** (4)
PX-50	-1.2420	-7.4122**	-1.8623 (1)	-6.1763** (1)
SAX	-0.68933	-11.162**	-0.70456 (1)	-3.8849** (7)
RICI	-1.3884	-13.145**	-1.2404 (1)	-11.004** (1)
TALSE	-1.7996	-13.779**	-1.8002 (3)	-8.7414** (2)

* denotes significance at 5%, ** denotes significance at 1%
Critical values: 5%=-2.866, 1%=-3.443; constant included

Table 29. Cointegration (entire period: 1991–1998)

BUX – base index				
	constant	coefficient	DF	ADF (lag)
WIG	3.1569	0.51087	-0.036918	-0.23749 (1)
PX-50	9.6427	-0.27413	-0.53667	-0.63892 (2)
SAX	9.3051	-0.26621	-0.78721	-0.85254 (2)
DAX	-9.0542	2.1473	-2.0637	-2.2304 (1)
NYSE	-10.284	2.1204	-2.8714	-2.9284 (1)

* denotes significance at 5%
Critical values: DF=-3.37, ADF=-3.25; without constant

Table 30. Cointegration (entire period: 1991–1998)

* denotes significance at 5%

Table 31. Cointegration (entire period: 1991–1998)

PX-50 – base index				
	constant	coefficient	DF	ADF (lag)
BUX	6.5576	-0.033890	-2.1344	-2.7645 (10)
WIG	3.7804	0.26796	-1.3319	-1.9098 (17)
SAX	3.3257	0.57091	-1.5066	-2.1970 (10)
DAX	7.4681	-0.14920	-2.3114	-2.8567 (10)
NYSE	8.5470	-0.26307	-2.7063	-3.1336 (10)

* denotes significance at 5%
Critical values: DF=-3.37, ADF=-3.25; without constant

Table 32. Cointegration (entire period: 1991–1998)

SAX – base index				
	constant	coefficient	DF	ADF (lag)
BUX	5.4858	-0.036797	-1.7051	-2.9386 (7)
WIG	3.9162	0.13647	-1.1285	-2.4308 (7)
PX-50	1.1467	0.64338	-1.3617	-2.6227 (5)
DAX	7.0427	-0.23389	-2.3008	-3.2525* (7)
NYSE	6.9635	-0.20611	-2.1180	-3.1518 (7)

* denotes significance at 5%
Critical values: DF=-3.37, ADF=-3.25; without constant

Table 33. Cointegration (entire period: 1991–1998)

RICI – base index				
	constant	coefficient	DF	ADF (lag)
BUX	-5.7936	1.3889	-0.45675	-0.81983 (12)
WIG	-35.430	4.3184	-2.1691	-2.3132 (1)
PX-50	18.577	-1.9884	-3.3575	-3.0364 (1)
SAX	12.662	-1.2597	-1.5297	-1.1655 (5)
TALSE	0.0073264	1.1672	-1.9166	-2.5507 (3)
DAX	-2.9418	1.1008	-0.29602	-0.34943 (5)
NYSE	-14.905	2.3639	0.0041031	-0.17241 (15)

* denotes significance at 5%
Critical values: DF=-3.37, ADF=-3.25; without constant

Table 34. Cointegration (entire period: 1991–1998)

TALSE – base index				
	constant	coefficient	DF	ADF (lag)
BUX	-4.5582	1.1402	-0.074765	-0.21379 (9)
WIG	-25.054	3.1478	-1.5084	-1.7805 (2)
PX-50	13.209	-1.2643	-0.93276	-1.1520 (1)
SAX	9.8171	-0.87340	-0.13075	-0.42796 (1)
RICI	0.89984	0.70638	-1.9984	-2.6405 (3)
DAX	-0.95445	0.75355	-0.23330	-0.57107 (3)
NYSE	-9.7507	1.6854	-0.10103	-0.56567 (1)

* denotes significance at 5%
Critical values: DF=-3.37, ADF=-3.25; without constant

Table 35. Cointegration (1991)

	BUX – base index		**WIG – base index**		**PX-50 – base index**		**SAX – base index**	
	DF	ADF (lag)	DF	ADF (lag)	DF	ADF (lag)	DF	ADF (lag)
BUX			-1.2514	-1.1253 (10)				
WIG	-2.0165	-1.9225 (5)						
PX-50								
SAX								
DAX	-1.9742	-2.0916 (3)	-0.18670	-0.18347 (1)				
NYSE	-2.4123	-2.4415 (1)	0.37312	0.30718 (5)				

* denotes significance at 5%
Critical values: DF=-3.37, ADF=-3.25; without constant

Table 36. Cointegration (1992)

	BUX – base index		**WIG – base index**		**PX-50 – base index**		**SAX – base index**	
	DF	ADF (lag)	DF	ADF (lag)	DF	ADF (lag)	DF	ADF (lag)
BUX			-0.19183	-0.18439 (3)				
WIG	-0.44348	-0.66168 (3)						
PX-50								
SAX								
DAX	-1.1483	-1.4540 (4)	-0.46877	-0.46319 (4)				
NYSE	-1.2530	-1.2526 (1)	-0.13674	-0.14799 (1)				

* denotes significance at 5%
Critical values: DF=-3.37, ADF=-3.25; without constant

Table 37. Cointegration (1993)

	BUX – base index		**WIG – base index**		**PX-50 – base index**		**SAX – base index**	
	DF	ADF (lag)	DF	ADF (lag)	DF	ADF (lag)	DF	ADF (lag)
BUX			0.96066	0.47374 (2)	-1.7910	-1.7563 (5)	-0.62873	-0.69260 (1)
WIG	1.4820	1.0084 (2)			-0.81105	-1.3663 (5)	0.36116	0.43164 (4)
PX-50	-3.083	-2.1873 (1)	-1.0929	-0.7718 (11)			1.5667	0.44995 (5)
SAX	-1.6525	-0.97113 (1)	-2.1629	-2.1204 (2)	0.80120	-0.26966 (7)		
DAX	0.08740	0.15612 (1)	0.03168	-0.20576 (1)	-1.8935	-1.7876 (5)	-0.90212	-0.89275 (3)
NYSE	-0.62586	-0.83510 (9)	1.0162	0.55137 (2)	-2.3386	-1.9417 (5)	-0.71605	-0.79642 (1)

* denotes significance at 5%
Critical values: DF=-3.37, ADF=-3.25; without constant

Table 38. Cointegration (1994)

	BUX – base index		**WIG – base index**		**PX-50 – base index**		**SAX – base index**	
	DF	ADF (lag)	DF	ADF (lag)	DF	ADF (lag)	DF	ADF (lag)
BUX			-1.4856	-1.4531 (5)	-1.9497	-1.670 (10)	-1.0800	-1.8686 (7)
WIG	-1.4760	-1.4657 (5)			-0.64909	-0.83469 (3)	-0.90342	-1.6208 (5)
PX-50	-0.49048	-0.56540 (1)	-0.41590	-0.69821 (5)			-3.0910	-3.268* (4)
SAX	-1.8097	-1.2957 (4)	-0.62888	-0.89017 (5)	-2.9041	-2.5633 (6)		
DAX	-3.408*	-3.738* (3)	-0.82801	-0.82784 (1)	-1.9122	-1.6545 (10)	-1.1155	-2.0266 (7)
NYSE	-0.61983	-0.77559 (1)	-1.1273	-1.0718 (5)	-1.8496	-1.7102 (10)	-1.1776	-2.0844 (7)

* denotes significance at 5%
Critical values: DF=-3.37, ADF=-3.25; without constant

Table 39. Cointegration (1995)

	BUX – base index		**WIG – base index**		**PX-50 – base index**		**SAX – base index**	
	DF	ADF (lag)	DF	ADF (lag)	DF	ADF (lag)	DF	ADF (lag)
BUX			-0.39183	-0.41763 (1)	0.76772	0.25290 (4)	0.39443	0.22761 (9)
WIG	-0.40130	-0.42376 (1)			-1.0533	-1.1164 (4)	-1.1233	-1.2010 (9)
PX-50	0.15229	-0.04746 (2)	-1.0364	-1.0416 (5)			-0.57179	-0.67415 (1)
SAX	0.00867	-0.08471 (1)	-0.55003	-0.58802 (1)	-0.01703	-0.29511 (1)		
DAX	-0.61366	-0.58097 (4)	-0.81133	-0.81999 (5)	0.80223	0.26651 (4)	0.65382	0.55088 (9)
NYSE	1.2188	0.97080 (1)	-1.9528	-1.9205 (1)	0.70952	0.27149 (4)	0.38408	0.32800 (9)

* denotes significance at 5%
Critical values: DF=-3.37, ADF=-3.25; without constant

Table 40. Cointegration (1996)

	BUX – base index		**WIG – base index**		**PX-50 – base index**		**SAX – base index**	
	DF	ADF (lag)	DF	ADF (lag)	DF	ADF (lag)	DF	ADF (lag)
BUX			-2.1913	-2.4879 (5)	-3.2438	-2.5402 (1)	-1.3429	-1.5040 (7)
WIG	-0.77442	-0.83393 (1)			-1.4538	-1.4649 (1)	-1.1273	-1.4072 (7)
PX-50	-1.1281	-0.91834 (1)	-0.92087	-1.1316 (1)			-0.80253	-0.96870 (3)
SAX	-1.0539	-0.91510 (1)	-1.5444	-1.6009 (1)	-1.3161	-1.3690 (1)		
DAX	-0.36038	-0.36969 (4)	-0.41691	-0.40086 (1)	-3.3576*	-2.7468 (1)	-1.6016	-1.6802 (7)
NYSE	-2.2792	-2.1539 (1)	-0.78486	-0.91687 (1)	-2.9938	-2.4409 (1)	-1.2240	-1.3941 (7)

* denotes significance at 5%
Critical values: DF=-3.37, ADF=-3.25; without constant

	RICI – base index		**TALSE – base index**	
	DF	ADF (lag)	DF	ADF (lag)
BUX	-0.62593	-0.69989 (5)	-0.68157	-0.83371 (2)
WIG	-1.3329	-1.5207 (1)	-0.87456	-1.1148 (1)
PX-50	-3.1036	-2.2504 (5)	-1.6261	-1.3803 (2)
SAX	-2.8274	-1.8185 (5)	-1.2130	-1.1233 (2)
RICI			-0.57606	-0.83253 (5)
TALSE	-0.85760	-1.0172 (5)		
DAX	-2.0397	-1.4276 (5)	-1.2008	-1.1244 (2)
NYSE	-1.7836	-1.3734 (5)	-0.93459	-0.95190 (2)

* denotes significance at 5%
Critical values: DF=-3.37, ADF=-3.25; without constant

Table 41. Cointegration (1997)

	BUX – base index		**WIG – base index**		**PX-50 – base index**		**SAX – base index**	
	DF	ADF (lag)	DF	ADF (lag)	DF	ADF (lag)	DF	ADF (lag)
BUX			1.0039	1.0268 (5)	-1.1741	-1.4269 (2)	-1.1311	-1.0876 (3)
WIG	1.2326	1.4849 (7)			-0.17938	-0.41238 (1)	-1.3776	-1.2229 (1)
PX-50	0.83714	1.2162 (6)	-0.37382	-0.41464 (1)			-1.4816	-1.1474 (7)
SAX	0.92875	1.3958 (6)	-0.43010	-0.48238 (1)	-1.2060	-1.4293 (1)		
DAX	-1.7588	-1.7441 (1)	-0.24861	-0.30246 (3)	-1.2541	-1.4908 (2)	-0.67232	-0.68172 (3)
NYSE	-0.79510	-0.47857 (2)	0.24719	-0.2156 (10)	-1.1216	-1.2622 (2)	-0.79686	-0.66752 (1)

* denotes significance at 5%
Critical values: DF=-3.37, ADF=-3.25; without constant

	RICI – base index		**TALSE – base index**	
	DF	ADF (lag)	DF	ADF (lag)
BUX	-1.0564	-1.0402 (1)	-1.2214	-1.0755 (8)
WIG	-1.1860	-1.5186 (1)	-0.92186	-0.90903 (8)
PX-50	-0.17261	-0.41445 (1)	-0.50349	-0.64008 (4)
SAX	0.06706	-0.41101 (3)	-0.40149	-0.47172 (4)
RICI			-1.0830	-1.4284 (3)
TALSE	-1.1081	-1.5107 (1)		
DAX	-0.24806	-0.44626 (3)	-0.50367	-0.52765 (4)
NYSE	-0.43307	-0.54299 (1)	-0.61180	-0.81749 (1)

* denotes significance at 5%
Critical values: DF=-3.37, ADF=-3.25; without constant

Table 42. Cointegration (1998)

	BUX – base index		**WIG – base index**		**PX-50 – base index**		**SAX – base index**	
	DF	ADF (lag)	DF	ADF (lag)	DF	ADF (lag)	DF	ADF (lag)
BUX			-0.73432	-0.85792 (6)	-0.27598	-0.66468 (1)	2.2589	2.7662 (1)
WIG	-0.34104	-0.50685 (6)			0.23966	0.047218 (1)	2.4623	3.0438 (1)
PX-50	0.04893	-0.05206 (6)	0.37488	0.25294 (1)			1.8941	2.3493 (1)
SAX	-0.43517	-0.67632 (6)	0.62862	0.44206 (1)	0.00361	-0.21446 (1)		
DAX	1.6409	1.6102 (6)	2.0746	1.7985 (7)	-1.1127	-1.5142 (1)	1.3303	1.7041 (1)
NYSE	-1.9113	-1.9522 (1)	0.76936	0.97363 (1)	-1.2002	-1.7650 (1)	1.9141	2.3379 (1)

* denotes significance at 5%
Critical values: DF=-3.37, ADF=-3.25; without constant

	RICI – base index		**TALSE – base index**	
	DF	ADF (lag)	DF	ADF (lag)
BUX	1.1875	1.9367 (6)	1.8863	1.2331 (1)
WIG	-2.1235	-2.1313 (1)	-1.3331	-1.4743 (1)
PX-50	-0.18577	-0.61253 (1)	0.25405	0.060734 (2)
SAX	1.8673	-0.07599 (9)	1.4962	1.1891 (2)
RICI			-1.7518	-2.5066 (3)
TALSE	-0.91066	-1.5789 (3)		
DAX	1.6393	1.7144 (2)	0.39894	0.053939 (3)
NYSE	1.4615	0.92971 (8)	0.52223	0.20308 (1)

* denotes significance at 5%
Critical values: DF=-3.37, ADF=-3.25; without constant

Table 43. Multivariate Cointegration (entire period: 1993–1998)

The estimates of the equation	**Base index**			
	BUX	WIG	PX-50	SAX
constant	-3.5672	2.4116	-0.26233	1.4299
BUX coefficient		0.40817	-0.34568	0.014556
WIG coefficient	2.0900		0.82626	-0.066560
PX-50 coefficient	-1.3048	0.60911		0.67911
SAX coefficient	0.024207	-0.021618	0.29920	
DF	-3.6639	-3.8389	-3.1714	-1.4627
ADF (lag)	-4.2899* (1)	-4.5261* (1)	-3.6213 (1)	-1.6905 (1)

* denotes significance at 10%
Critical values: ADF=-4.06; without constant

Table 44. Multivariate Cointegration (1993–1998 by years)

The estimates of the equation		Base index			
		BUX	WIG	PX-50	SAX
1993	DF	-0.15308	-0.56533	-0.79002	1.4011
	ADF (lag)	-0.39234 (5)	-0.95616 (5)	-1.2472 (5)	0.36473 (5)
1994	DF	-2.0288	-1.7001	-1.4948	-3.0699
	ADF (lag)	-2.4187 (5)	-2.0595 (5)	-1.8772 (1)	-3.2679 (4)
1995	DF	-1.7611	-2.0626	-1.3571	-0.60874
	ADF (lag)	-1.8899 (1)	-2.1808 (1)	-1.4458 (1)	-0.71629 (1)
1996	DF	-1.4235	-1.3407	-0.99254	-0.78450
	ADF (lag)	-1.6079 (1)	-1.5521 (1)	-1.1656 (1)	-0.95796 (3)
1997	DF	-0.069368	-0.86200	-1.5201	-1.4036
	ADF (lag)	-0.64896 (1)	-1.5031 (1)	-2.0537 (1)	-1.2875 (1)
1998	DF	-1.4388	-3.2198	-0.75675	1.8526
	ADF (lag)	-1.3635 (10)	-3.1146 (10)	-0.76069 (15)	2.2960 (1)

* denotes significance at 10%; critical values: ADF=-4.06; without constant

Table 45. Multivariate Cointegration (entire period: 1993–1998)

The estimates of the equation	Base index			
	BUX	WIG	PX-50	SAX
constant	-9,7759	-0,46874	0,0339	6,2649
DAX coefficient	1,3854	1,6597	5,7377	-0,62993
NYSE coefficient	0,78631	-1,2939	0,022088	0,45319
DF	-2,4816	-3,3040	-2,7957	-1,2984
ADF (lag)	-2,7080 (1)	-3,5435 (1)	-2,7856 (4)	-1,2772 (3)

* denotes significance at 10%; critical values: ADF=-4.06; without constant

Table 45. Single Factor CAPM (entire period: 1992–1998)

The estimates of the equation	Market					
	BUX	WIG	PX-50	SAX	RICI	TALSE
Intercept	0.00098422 (0.0003689)*	0.0013981 (0.0006098)*	-0.00000959 (0.00039602)	-0.00021277 (0.00056293)	0.0010696 (0.0010508)	0.00010950 (0.0012277)
World Return Beta	0.77953 (0.036222)*	0.69328 (0.059864)**	0.57239 (0.037729)*	0.57352 (0.053693)*	0.36056 (0.094737)*	0.41389 (0.11050)*
R^2	0.215007	0.0734839	0.155179	0.0837641	0.0215713	0.0223733

* denotes significance at 1%; ** denotes significance at 5%

Table 46. Single Factor CAPM (entire period: 1992–1998)

The estimates of the equation		Market					
		BUX	WIG	PX-50	SAX	RICI	TALSE
1992	Intercept	0.00032555 (0.00059822)	0.00057045 (0.0010740)				
	World Return Beta	0.34216 (0.064516)*	0.47976 (0.11583)*				
	R^2	0.097621	0.0619015				
1993	Intercept	0.0010029 (0.00071879)	0.0093211 (0.0021083)*	0.0081912 (0.003490)**	0.00072886 (0.0012960)		
	World Return Beta	0.63851 (0.074389)*	0.69434 (0.21820)*	0.32972 (0.32955)	0.56877 (0.12455)*		
	R^2	0.222131	0.0377669	0.0120606	0.213115		
1994	Intercept	0.00032196 (0.00090940)	-0.0023919 (0.0023997)	-0.0013350 (0.0011205)	0.0021973 (0.0022390)		
	World Return Beta	0.90058 (0.087108)*	0.74310 (0.22986)*	0.61170 (0.10733)*	0.69906 (0.21446)*		
	R^2	0.292932	0.0389305	0.111819	0.0395542		
1995	Intercept	0.000053193 (0.00064177)	-0.00012831 (0.0014095)	-0.0010298 (0.00050750)	-0.0012952 (0.00065937)		
	World Return Beta	0.66417 (0.071753)*	0.65628 (0.15759)*	0.60697 (0.056740)*	0.62291 (0.073720)*		
	R^2	0.249305	0.0629879	0.307257	0.21675		
1996	Intercept	0.0033278 (0.0008837)*	0.0019755 (0.00088097)	0.00044234 (0.00043684)	0.00011445 (0.00074467)	0.0070380 (0.0025069)*	0.0030296 (0.001274)**
	World Return Beta	0.83534 (0.078396)*	0.61018 (0.078152)*	0.69766 (0.038752)*	0.75067 (0.066061)*	0.59494 (0.23227)**	0.55849 (0.11821)*
	R^2	0.303953	0.189927	0.554876	0.331836	0.032713	0.12954
1997	Intercept	0.0019389 (0.0014350)	-0.00027126 (0.00095070)	-0.00035414 (0.00065529)	0.00020558 (0.00081961)	0.0024403 (0.0013910)	0.0020899 (0.0020222)
	World Return Beta	1.0635 (0.12599)*	0.82255 (0.083470)*	0.47951 (0.057533)*	0.31654 (0.071960)*	0.20773 (0.12213)	0.28752 (0.17755)
	R^2	0.215744	0.272698	0.211482	0.0695158	0.0110459	0.010024
1998	Intercept	-0.0011062 (0.0016952)	-0.00016761 (0.0015675)	-0.00099785 (0.00087490)	-0.0045487 (0.0013510)*	-0.0063907 (0.0014680)*	-0.0046244 (0.0024730)
	World Return Beta	0.87472 (0.17115)*	0.74070 (0.15826)*	0.62469 (0.08831)**	0.56681 (0.13640)*	0.36990 (0.13361)*	0.48053 (0.22508)
	R^2	0.171719	0.148106	0.28415	0.120536	0.0369096	0.022282

* denotes significance at 1%; ** denotes significance at 5%

Table 47. Multiple Factor CAPM (entire period: 1992–1998)

The estimates of the equation			Market					
			BUX (92-98)	WIG (92-98)	PX-50 (93-98)	SAX (93-98)	RICI (96-98)	TALSE (96-98)
Local Factors	1	Local Excess Returns	0.81233 (0.0593) *	0.76948 (0.0465) *	0.68072 (0.0645) *	0.66835 (0.1049) *	0.93569 (0.1260) *	0.49376 (0.1689) *
	2	Local Exchange Rate	1.6349 (0.5147) *	0.84408 (0.4429)	-0.1228 (0.3437)	-0.3072 (1.3816)	7.3223 (8.8238)	4.3802 (1.3005) *
	3	Local Interest Rate	-0.1679 (0.1433)	0.40680 (0.1856)	0.18753 (0.2764)	0.03516 (0.2409)	0.03429 (0.2988)	-0.2258 (0.2125)
	4	Local Inflation Rate	-0.7000 (0.3919)	0.64048 (0.4077)	-0.3189 (0.8784)	2.1807 (2.3015)	2.0990 (5.3679)	-8.7061 (3.9162)
	5	Local GDP Growth	-0.2948 (0.1263) **		-0.3305 (0.1185) *	-0.5453 (0.3609)		
Global Factors	6	World Excess Returns	-0.0263 (0.1441)	0.58530 (0.1502) *	0.33606 (0.1585)	-0.2355 (0.2979)	-0.4129 (0.5620)	1.4782 (0.7954)
	7	US Exchange Rate	-0.3147 (0.4762)	0.22326 (0.6941)	0.23485 (0.6350)	-0.4176 (1.5209)	-6.0688 (5.8657)	-0.1965 (2.3344)
	8	US Interest Rate	0.06270 (0.3058)	0.11574 (0.3357)	-0.3296 (0.3629)	-0.9271 (0.9171)	-3.7971 (5.1567)	4.5540 (5.2179)
	9	US Inflation Rate	2.7192 (1.8601)	9.9156 (2.2753) *	2.0559 (1.4256)	0.75736 (2.3708)	8.2684 (9.1470)	4.8884 (5.6253)
	10	US GDP Growth	-2.6345 (2.0887)	-11.534 (2.7203) *	-1.4058 (2.3309)	-1.4403 (4.4650)	-2.2147 (5.6648)	1.5808 (7.2918)
Wald Test	11	Local Factors	93.099 [0.0000] ***	354.99 [0.0000] ***	23.566 [0.0000] ***	11.387 [0.0000] ***	82.755 [0.0000] ***	39.147 [0.0000] ***
	12	Global Factors	0.75322 [0.5871]	7.9934 [0.0000] ***	7.2648 [0.0000] ***	0.58186 [0.7137]	0.53517 [0.7473]	3.1493 [0.0309] ***
	13	R^2	0.99985	0.99975	0.99981	0.99852	0.99926	0.99901

Figures in the parenthesis are heteroscedastisity consistent standard errors; those in the brackets are t-probabilities,

* denotes significance at 1%; ** denotes significance at 2%; *** denotes significance at 5%

Table 48. Economic Development

Hungary	**1995**	**1996**	**1997**	**1998***	**1999****
GDP growth (%)	1.5	1.3	4.4	4.5	4.5
Inflation (annual avg. (%))	28.4	23.8	18.3	15.5	12.1
Interest rate	32.4	24.8	20.1	17.9	15.3
Unemployment (%)	10.5	10.8	10.5	10.2	10.0
Budget balance (% GDP)	-7.4	-4.8	-4.0	-4.5	-4.0
Current account (% GDP)	-5.7	-3.7	-2.2	-3.3	-4.7
FDI (% GDP)	10.0	4.2	5.0	4.2	3.2
External debt (% GDP)	72.3	61.2	48.8	46.6	43.9
Official reserves ($bn)	10.0	10.4	8.4	9.0	9.5
Currency units/$ (avg.)	124.5	149.0	186.7	215.5	227.8
Exports ($bn)		14.2	19.6	22.0	24.0
Imports ($bn)		16.8	21.4	24.4	25.0

* projection, ** forecast

Source: Business Central Europe, 1998/99 ING Barings

Table 49. Economic Development

Poland	**1995**	**1996**	**1997**	**1998***	**1999****
GDP growth (%)	7.0	6.1	6.9	5.8	5.5
Inflation (annual avg. (%))	27.8	19.9	15.0	12.0	8.0
Interest rate	25.5	22.4	23.9	20.0	17.0
Unemployment (%)	14.9	13.2	10.5	10.1	9.9
Budget balance (% GDP)	-2.6	-2.5	-1.3	-0.5	0.0
Current account (% GDP)	4.7	-1.0	-3.1	-4.9	-5.1
FDI (% GDP)	1.0	2.0	2.4	2.7	2.7
External debt (% GDP)	34.7	27.4	25.4	23.2	N/A
Official reserves ($bn)	15.0	18.0	20.5	22.0	25.0
Currency units/$ (avg.)	2.4	2.7	3.3	3.5	3.7
Exports ($bn)		24.4	27.2	31.0	37.5
Imports ($bn)		32.6	38.5	45.0	51.0

* projection, ** forecast

Source: Business Central Europe, 1998/99 ING Barings

Table 50. Economic Development

Czech Republic	1995	1996	1997	1998*	1999**
GDP growth (%)	5.9	4.1	1.0	2.0	4.0
Inflation (annual avg. (%))	9.1	8.8	8.5	12.1	9.0
Interest rate	10.5	12.0	17.5	15.5	14.0
Unemployment (%)	2.9	3.5	5.2	6.2	7.0
Budget balance (% GDP)	0.4	-0.5	-1.5	-1.0	-0.5
Current account (% GDP)	-2.9	-8.2	-6.1	-3.6	-3.8
FDI (% GDP)	5.1	2.6	2.5	1.8	2.6
External debt (% GDP)	34.5	37.2	44.5	46.0	45.5
Official reserves ($bn)	14.0	12.4	9.8	10.0	11.5
Currency units/$ (avg.)	27.3	27.2	31.7	34.5	34.0
Exports ($bn)		21.7	22.5	27.0	31.0
Imports ($bn)		27.6	27.1	30.0	33.5

* projection, ** forecast

Source: Business Central Europe, 1998/99 ING Barings

Table 51. Economic Development

Slovakia	1995	1996	1997	1998*	1999**
GDP growth (%)	6.8	6.9	6.5	4.0	3.5
Inflation (annual avg. (%))	9.9	6.0	6.1	8.5	8.0
Interest rate	7.4	12.6	20.2	19.0	15.0
Unemployment (%)	13.1	12.0	12.8	12.8	12.0
Budget balance (% GDP)	0.1	-4.4	-5.3	-5.6	-4.3
Current account (% GDP)	2.6	-10.1	-7.0	-8.0	-6.2
FDI (% GDP)	0.5	0.5	0.6	1.0	2.0
External debt (% GDP)	37.9	42.4	48.3	57.5	58.0
Official reserves ($bn)	3.4	3.5	3.4	3.4	3.5
Currency units/$ (avg.)	30.0	31.3	33.7	35.3	36.6
Exports ($bn)		8.8	8.8	9.5	9.3
Imports ($bn)		11.1	10.3	11.5	10.6

* projection, ** forecast

Source: Business Central Europe, 1998/99 ING Barings

Table 52. Economic Development

Estonia	1995	1996	1997	1998*	1999**
GDP growth (%)		4.0	11.4	5.0	5.0
Inflation (annual avg. (%))		23.0	11.0	11.0	9.0
Exports ($bn)		1.8	2.3	2.8	3.1
Imports ($bn)		2.8	3.4	4.1	4.6
Current account balance (% GDP)		-9.2	-12.0	-10.5	-6.0
Budget account (% GDP)		-1.5	2.2	2.5	1.0
Gross debt ($bn)		1.5	2.7	0.5	0.5
Annual FDI flow ($bn)		111	128	200	250

* projection, ** forecast

Source: Business Central Europe, 1998/99 ING Barings

Table 53. Economic Development

Latvia	1995	1996	1997	1998*	1999**
GDP growth (%)		3.3	6.5	4.0	3.0
Inflation (annual avg. (%))		17.6	8.4	5.3	5.0
Exports ($bn)		1.5	1.8	1.9	1.9
Imports ($bn)		2.3	2.7	2.9	2.8
Current account balance (% GDP)		-4.2	-6.2	-8.6	-9.0
Budget account (% GDP)		-1.4	1.4	1.0	1.0
Gross debt ($bn)		2.0	2.8	1.0	0.8
Annual FDI flow ($bn)		376	515	344	400

* projection, ** forecast

Source: Business Central Europe, 1998/99 ING Barings

Table 54. Summary Statistics (entire period: 1996–1998)

	Emerging Markets		Developed Markets			
	Large	Small	DAX	NYSE	GT-30	World
Mean Return (%)	0,0806	0,0592	0,1562	0,0859	-0,0406	0,0633
Std.Dev. (%)	1,4941	1,5456	1,2826	0,9849	0,7542	0,7050
Sharpe Ratio	0,0539	0,0383	0,1218	0,0872	-0,0538	0,0898
Skewness	-1,2781	-0,1313	-0,8456	-0,7972	0,1987	-0,7479
Kurtosis	11,8857	4,0076	4,9832	7,0464	1,6196	4,9988
Minimum (%)	-12,4197	-7,1815	-8,3822	-7,4549	-2,5887	-4,8031
Maximum (%)	8,0149	6,9086	6,1057	4,6008	3,6677	2,5107
Normality Chi ^ 2	358,8**	172,23**	133,83**	253,07**	42,043**	152**

Table 55. Correlation (entire period: 1996–1998)

Indices	Emerging Markets		Developed Markets			
	Large	Small	DAX	NYSE	GT-30	World
Large	1.0000					
Small	0.14913	1.0000				
DAX	0.44506	0.026897	1.0000			
NYSE	0.12417	-0.089522	0.29085	1.0000		
GT-30	0.083484	0.11357	-0.0094374	-0.16770	1.0000	
World	0.36007	-0.038577	0.57120	0.78506	-0.10156	1.0000

Table 56. Unit Roots (entire period: 1996–1998)

Indices	DF levels	DF differences	ADF levels (lag)	ADF differences (lag)
Large	-1.7809	-19.887**	-1.8655 (1)	-6.8109** (9)
Small	-2.0494	-17.141**	-1.9083 (9)	-9.8155** (3)

* denotes significance at 5%, ** denotes significance at 1%
Critical values: 5%=-2.866, 1%=-3.443; constant included

Table 57. Correlation (entire period: 1996–1998)

Large portfolio– base index				
Indices	**Constant**	**Coefficient**	**DF**	**ADF (lag)**
DAX	4.5863	0.52568	-1.6561	-2.0057 (1)
NYSE	0.95149	0.89390	-2.7334	-2.4898 (1)
World	2.9409	1.1404	-2.0235	-2.0600 (1)

* denotes significance at 5%
Critical values: DF=-3.37, ADF=-3.25; without constant

Table 58. Correlation (entire period: 1996–1998)

Small portfolio– base index				
Indices	**Constant**	**Coefficient**	**DF**	**ADF (lag)**
DAX	-0.66860	0.78144	0.83009	0.028363 (5)
NYSE	-7.5601	1.4963	0.44211	0.36592 (1)
World	-2.8777	0.21343	0.32854	-0.82737 (9)

* denotes significance at 5%
Critical values: DF=-3.37, ADF=-3.25; without constant