TESTING FOR SPECULATIVE BUBBLE ON THE PRICES OF THE RUSSIAN TELECOMMUNICATION COMPANIES THE LATE 1990s

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Abstract

In this paper we study the existence of a speculative bubble in the prices of the Russian telecommunications companies in the late 1990s. In the study we use the regime-switching-type of econometric test that diagnoses the explosive pattern in the stock prices. Tests that compare series of prices and dividends are not applicable because most of the Russian quoted telecom companies did not pay dividends at that time. The tests did not reject the hypothesis of the existence of the bubble in the prices of shares of all Russian telecommunications companies except one and in the index of the Russian telecoms. The existence of the bubble was confirmed by the presence of its indirect indicators, namely rapid price growth and abnormal cumulative return before the price peak, too optimistic perception of news related to telecoms, deep correction and lengthy recovery after the crash. From 1998 to 2000 the prices of the Russian telecom companies grew in line with the Russian stock market, the correlation coefficient being 0.95. The telecoms index broke away from the general stock market only in the 1Q of 2000. We also tested whether the bubble in the Russian telecommunication companies stock market was a result of contagion from the NASDAQ market or it was caused by the revival of the Russian stock market after the 1998 crisis. The same was studied with respect to the crash of the bubble. We analyzed the dynamics of the correlation coefficients between the markets. This methodology implies that the markets become more interdependent and the contagion takes place if the correlation increases after the shock. No contagion effect was diagnosed. The indirect indication of the fact that no contagion took place is the date of the peak of the Russian telecoms index. It was reached 19 days after the NASDAQ peak. The speculative bubble on the Russian telecommunication stock market was determined by the events in the Russian stock market, but was influenced by news and attitudes toward telecommunications stocks in the USA.

Key words: speculative bubble, stock market bubble, contagion

JEL: G12, G14, G15

References


