

## ABSTRACTS

УДК 336.7

O. Guzeyev

### ON EXCHANGE MOTIVES AND ANTICIPATION THE COURSE OF TRADING

The work presents analogies between the gambling and musical improvisation. Points of contact for economic and musical categories are identified.

It shows an example of using musicology for specifying the name of investments effectiveness index. W. Sharpe has offered it to demonstrate return on assets per risk unit. We offer naming this index a Sharpe's minor coefficient.

The relationship of musical form and language of money through mathematical prism is demonstrated. If financial calculations represent «the movement by the numerical series», then gamma of sounds represents «the movement by musical series». Number is used to express duration, frequency and sound volume. Tempo in music also corresponds to «the number of the metronome».

The system of musical note recorders the progress of trading is proposed, representing changes in asset prices in the form of «musical piece». Notes may stand for trading pauses and rhythm. Price jumps can be expressed by changing the timbre.

Using musical representation during the course of trade can improve the working conditions of exchange specialist, who have poor vision. The system of musical note recorders the course of trading allows «locking stock database with the security lock» preventing from unauthorized access. Static price chart is transformed with notation into a dynamic and interpreting mechanism. Discrete time of trade becomes experienced by continuity.

The proposed system allows embodying the course of trading into a form with the properties of source mobilization a conductor's intuition, often to anticipate the direction of assets price change.