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Article

A Rational Expectations Model of Financial Contagion

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ABSTRACT

We develop a multiple asset rational expectations model of asset prices to explain financial market contagion. Although the model allows contagion through several channels, our focus is on contagion through cross-market rebalancing. Through this channel, investors transmit idiosyncratic shocks from one market to others by adjusting their portfolios' exposures to shared macroeconomic risks. The pattern and severity of financial contagion depends on markets' sensitivities to shared macroeconomic risk factors, and on the amount of information asymmetry in each market. The model can generate contagion in the absence of news, as well as between markets that do not directly share macroeconomic risks.

REFERENCES

Admati, Anat R., 1985, A noisy rational expectations equilibrium for multi-asset securities markets, *Econometrica* **53**, 629–657

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Brennan, Michael J., and H. Henry Cao, 1997, International portfolio investment flows, *Journal of Finance* **52**, 1851–1880

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Caballero, Ricardo, and Arvind Krishnamurthy, 1999, Emerging market crises: An asset markets perspective, IMF Working Paper No. 990129, International Monetary Fund, Washington, DC.

Google Scholar

Calvo, Guillermo A., 1999, Contagion in emerging markets: When Wall Street is a carrier, Working paper, University of Maryland.

Google Scholar

Chan-Lau, Jorge A., and Zhaohui Chen, 1998, Financial crisis and credit crunch as a result of inefficient financial intermediation—with reference to the Asian financial crisis, IMF Working Paper No. 980127, International Monetary Fund, Washington, DC.

Google Scholar

Claessens, Stijn, Simeon Djankov, and Larry H. P. Lang, 2000, Separation of ownership and control in East Asian countries, *Journal of Financial Economics* **158**, 81–112

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Connolly, Robert A., and F. Albert Wang, 2000, On stock market return comovements: Macroeconomic news, dispersion of beliefs, and contagion, Working paper, University of North Carolina and Rice University.

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Frankel, Jeffrey A., and Sergio L. Schmukler, 1996, Country fund discounts and the Mexican crisis of December 1994: Did local residents turn pessimistic before international investors? *Open Economies Review* Suppl. 1 **7**, 551–534

Google Scholar

Frankel, Jeffrey A., and Sergio L. Schmukler, 1998, Crises, contagion, and country funds: Effects on East Asia and Latin America, in Reuven Glick, ed.: *Managing Capital Flows and Exchange Rates: Perspectives from the Pacific Basin*, Cambridge University Press, Cambridge.

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Froot, Kenneth A., Paul G. J. O'Connell, and Mark S. Seasholes, 1998, The portfolio flows of international investors: I, NBER Working Paper No. 6687.

Google Scholar

Gennotte, Gerard, and Hayne Leland, 1990, Market liquidity, hedging, and crashes, *American Economic Review* **80**, 999–1021

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Goldfajn, Ilan, and Rodrigo O. Valdés, 1997, Capital flows and the twin crises: The role of liquidity, IMF Working Paper No. 97087, International Monetary Fund, Washington, DC.

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Grossman, Sanford J., and Joseph E. Stiglitz, 1980, On the impossibility of informationally efficient markets, *American Economic Review* **70**, 393–408

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Kaminsky, Graciela L., and Serio L. Schmukler, 1999, What triggers market jitters? A chronicle of the Asian crisis, *Journal of International Money and Finance* **18**, 537–560

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King, Mervyn A., and Sushil Wadhwani, 1990, Transmission of volatility between stock markets, *Review of Financial Studies* **3**, 5–33

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Kyle, Albert S., and Wei Xiong, 2001, Contagion as a wealth effect, *Journal of Finance* **56**, 1401–1440

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Lagunoff, Roger D., and Stacey L. Schreft, 2001, A model of financial fragility, *Journal of Economic Theory* **99**, 220–264

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Pritsker, Matt G., 1997, Liquidity risk and positive feedback, in The Measurement of Aggregate Market Risk ~Bank for International Settlements, Basle.

Google Scholar

Rigobon, Roberto, 1998, *Informational speculative attacks: Good news is no news, Working paper*, Massachusetts Institute of Technology.

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Schinasi, Garry J., and R. Todd Smith, 2000, Portfolio diversification, leverage, and financial contagion, *IMF Staff Papers* **47**, 159–176

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Wang, Jiang, 1994, A model of competitive stock trading volume, *Journal of Political Economy* **102**, 127–168

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Yuan, Kathy, 2000, Asymmetric price movements and borrowing constraints: A rational expectations equilibrium model of crisis, contagion, and confusion, Ph.D. Dissertation, Massachusetts Institute of Technology.

Google Scholar

Zhou, Chunsheng, 1998, Dynamic portfolio choice and asset pricing with differential information, *Journal of Economic Dynamics and Control* **22**, 1027–1051

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