



INSTITUT FÜR HÖHERE STUDIEN
INSTITUTE FOR ADVANCED STUDIES
Vienna

ECONOMETRICS RESEARCH SEMINAR

December 1, 2011, 9 am

**Institute for Advanced Studies
1060 Vienna, Stumpergasse 56
HS II (lecture room II)**

Please note that the seminar will start at 9 am sharp!

Bernd Funovits

Vienna Graduate School of Economics

AR Systems and AR Processes: The Singular Case

We deal with singular multivariate AR systems and the corresponding AR processes. An AR system is called singular if the variance of the white noise innovation is singular. AR processes are the stationary solutions of AR systems. In the singular case AR processes consist of a linearly regular and a linearly singular component. The corresponding Yule-Walker equations and in particular the possible non-uniqueness of their solutions are discussed. A particular canonical form is presented. Singular AR systems naturally arise as models for latent variables in dynamic factor analysis.

with Manfred Deistler (Vienna University of Technology and IHS) and Alexander Filler (Vienna University of Technology)

DOWNLOAD SITE FOR PAPERS (IF AVAILABLE) AND SEMINAR SCHEDULE: <http://economics.ihs.ac.at/seminars>

NOTE: Participation of advanced students in this seminar is highly recommended.



ECONOMETRICS RESEARCH SEMINAR

Manfred Deistler (University of Technology Vienna and IHS), **Robert Kunst** (IHS),
Benedikt Pötscher (University of Vienna and IHS), **Leopold Sögner** (IHS)

Venue: Institute for Advanced Studies, 1060 Vienna, Stumpergasse 56

Schedule Fall/Winter 2011/2012

UNIT	DATE	ROOM	SEMINAR
1	Thu, Oct 27 9:00 am	HS II	Jerry Hausman , MIT
2	Thu, Nov 03 9:00 am	HS II	Carlos Velasco , Universidad Carlos III de Madrid
3	Thu, Nov 10 9:00 am	HS II	Matthias Koch , Vienna University of Economics and Business
4	Thu, Nov 17 9:00 am	HS II	Adam Rosen , University College London
5	Thu, Nov 24 9:00 am	HS II	Genaro Sucarrat , BI Norwegian Business School
6	Thu, Dec 01 9:00 am	HS II	Bernd Funovits , Vienna Graduate School of Economics
7	Thu, Dec 15 9:00 am	HS II	Ulrike Schneider , TU Vienna
8	Thu, Jan 12 9:00 am	HS II	Sabyasachi Das , Vienna Graduate School of Economics
9	Thu, Jan 19 9:00 am	SZ VI	Siegfried Hörmann , Université Libre de Bruxelles
10	Thu, Jan 26 9:00 am	HS II	Martin Wagner , Institute for Advanced Studies
11	Thu, Feb 23 9:00 am	HS II	Michel Dacorogna , SCOR
12	Thu, Mar 15 9:00 am	HS II	Steven Durlauf , University of Wisconsin-Madison
13	Thu, Mar 22 9:00 am	HS II	Jan G. De Gooijer , Universiteit van Amsterdam
14	Thu, Apr 19 9:00 am	HS II	Peter Hansen , EUI
15	Thu, Apr 26 9:00 am	HS II	Domenico Giannone , Université libre de Bruxelles
16	Thu, May 24 9:00 am	HS II	Michael Wolf , University of Zurich
17	Thu, Jun 21 9:00 am	HS II	Maximilian Kasy , UCLA

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