

1. Record Nr.	UNINA9910483555003321
Autore	Polyakov Andrey
Titolo	Generalized Homogeneity in Systems and Control // by Andrey Polyakov
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-38449-7
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (454 pages)
Collana	Communications and Control Engineering, , 0178-5354
Disciplina	629.8312
Soggetti	Automatic control System theory Engineering mathematics Control and Systems Theory Systems Theory, Control Engineering Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Introduction -- Part I: Models of Control Systems and Stability Analysis -- Chapter 2. Finite-Dimensional Models -- Chapter 3. Infinite-Dimensional Models -- Chapter 4. Stability and Convergence Rate -- Chapter 5. Method of Lyapunov Functions -- Part II: Homogeneous Control Systems -- Chapter 6. Dilation Groups in Banach, Hilbert and Euclidean Spaces -- Chapter 7. Homogeneous Mappings -- Chapter 8. Analysis of Homogeneous Dynamical Systems -- Chapter 9. Homogeneous Stabilization -- Chapter 10. Consistent Discretization of Homogeneous Models -- Chapter 11. Homogeneous State Estimation -- Chapter 12. Homogeneous Optimal Control -- Appendix -- Index.
Sommario/riassunto	This monograph introduces the theory of generalized homogeneous systems governed by differential equations in both Euclidean (finite-dimensional) and Banach/Hilbert (infinite-dimensional) spaces. It develops methods of stability and robustness analysis, control design, state estimation and discretization of homogeneous control systems. Generalized Homogeneity in Systems and Control is structured in two

parts. Part I discusses various models of control systems and related tools for their analysis, including Lyapunov functions. Part II deals with the analysis and design of homogeneous control systems. Some of the key features of the text include: mathematical models of dynamical systems in finite-dimensional and infinite-dimensional spaces; the theory of linear dilations in Banach spaces; homogeneous control and estimation; simple methods for an "upgrade" of existing linear control laws; numerical schemes for a consistent digital implementation of homogeneous algorithms; and experiments confirming an improvement of PID controllers. The advanced mathematical material will be of interest to researchers, mathematicians working in control theory and mathematically oriented control engineers.

2. Record Nr.	UNINA9910146422203321
Autore	Bangstad Sindre
Titolo	Global flows, local appropriations : facets of secularisation and re-Islamization among contemporary cape Muslims // Sindre Bangstad
Pubbl/distr/stampa	Amsterdam, : Amsterdam University Press, c2007
ISBN	1-003-69675-9 1-04-078336-8 90-485-0101-6
Edizione	[1st ed.]
Descrizione fisica	1 online resource (357 p.)
Collana	ISIM dissertations
Disciplina	305.697
Soggetti	Muslims - South Africa - Cape Town Islam - South Africa - Cape Town
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Contents; Summary in English; Samenvatting in het Nederlands (Dutch Summary); Citations; Acronyms and Abbreviations; Acknowledgements; A note on nomenclature, spelling and transliteration; Ch. 1: Global Flows, Local Appropriations; Ch. 2: Africanising Islam; Ch. 3: Polygyny in Transition; Ch. 4: La'a Taqrabuna al-Zina and Beyond; Ch. 5: Asserting The Rights of Muslim Prisoners; Ch. 6: Global Flows, Local Appropriations; Conclusions; Notes; References; List of interviewees

cited; Glossary; Appendices

Sommario/riassunto

Sindre Bangstad studies muslims in Cape Town in the context of a post-apartheid South Africa. *Global Flows, Local Appropriations* is the first ethnographic study of Cape Muslims in 25 years.