

1. Record Nr.	UNINA990006320130403321
Autore	De Gennaro, Giovanni
Titolo	L'impugnativa dell'atto di nomina delle commissioni giudicatrici dei pubblici concorsi / Giovanni De Gennaro
Pubbl/distr/stampa	Empoli : Ind. Tip. dei Comuni, 1941
Descrizione fisica	8 p. ; 24 cm
Disciplina	350.3
Locazione	FGBC
Collocazione	BUSTA 12 (17) 6
Lingua di pubblicazione	Non definito
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910786639003321
Titolo	Nonlinear control systems design : selected papers from the IFAC Symposium, Capri, Italy, 14-16 June 1989 // edited by A. Isidori
Pubbl/distr/stampa	Oxford, England : , : Published for the International Federation of Automatic Control by Pergamon Press, , 1990 ©1990
ISBN	1-4832-9892-2
Edizione	[First edition.]
Descrizione fisica	1 online resource (429 p.)
Collana	IFAC Symposia Series ; ; 1990, Number 2
Disciplina	629.8
Soggetti	Automatic control Control theory Nonlinear theories
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 at the end of each chapters and indexes.

Front Cover; Nonlinear Control Systems Design ; Copyright Page; Ifac Symposium On Nonlinear Control Systems Design; Preface; Table Of Contents; CHAPTER 1. COMPUTER-AIDED DESIGN OF NONLINEAR OBSERVERS; INTRODUCTION; NONLINEAR OBSERVABILITY PROBLEM; EXTENDED LUENBERGER OBSERVER; PROGRAM FOR THE COMPUTER-AIDED OBSERVER DESIGN; EXAMPLE OF AN OBSERVER DESIGN; CONCLUSIONS; REFERENCES; CHAPTER 2. SHOULD THE THEORIES FOR CONTINUOUS-TIME AND DISCRETE-TIME LINEAR AND NONLINEAR SYSTEMS REALLY LOOK ALIKE?; I. INTRODUCTION; II. DIFFERENCE ALGEBRA AND DISCRETE-TIME SYSTEMS; III. REALIZATION(5) IV. SOME EXAMPLES OF THE RELATIONSHIP BETWEEN DISCRETE-TIME AND CONTINUOUS-TIME SYSTEMS. FEEDBACK LINEARIZATION; VI. CONCLUSION; REFERENCES; CHAPTER 3. DIFFERENTIAL ALGEBRA AND CONTROLLABILITY; Introduction; Linear case; Definition; Nonlinear case; . Haddak; DIFFERENTIAL ALGEBRAIC APPROACH OF CONTROLLABILITY; Conclusion; REFERENCES; CHAPTER 4. PRIME DIFFERENTIAL IDEALS IN NONLINEAR RATIONAL CONTROL SYSTEMS; INTRODUCTION; RATIONAL CONTROL SYSTEMS; APPLICATION TO THE DIFFERENTIAL OUTPUT RANK OF A NONLINEAR SYSTEM; CONCLUSION; REFERENCES

CHAPTER 5. CONTROLLABILITY OF BILINEAR SYSTEMS-A SURVEY AND SOME NEW RESULTSINTRODUCTION; BRIEF SURVEY ON CONTROLLABILITY OF BILINEAR SYSTEMS; CHAPTER 6.

CONTROLLABILITY OF BILINEAR SYSTEMS-A SURVEY AND SOME NEW RESULTS; INTRODUCTION; BRIEF SURVEY ON CONTROLLABILITY OF BILINEAR SYSTEMS; CONTROLLABILITY OF NONLINEAR SYSTEMS; STRICTLY BILINEAR SYSTEMS; HOMOGENEOUS-IN-THE-STATE BILINEAR SYSTEMS; CONTROLLABILITY OF NONLINEAR SYSTEMS; STRICTLY BILINEAR SYSTEMS; HOMOGENEOUS-IN-THE-STATE BILINEAR SYSTEMS; TWO-DIMENSIONAL HOMOGENEOUS-IN-THE-STATE BILINEAR SYSTEMS THREE-DIMENSIONAL HOMOGENEOUS-IN-THE-STATE BILINEAR SYSTEMS; TWO-DIMENSIONAL HOMOGENEOUS-IN-THE-STATE BILINEAR SYSTEMS; THREE-DIMENSIONAL HOMOGENEOUS-IN-THE-STATE BILINEAR SYSTEMS; CONCLUSIONS; ACKNOWLEDGMENT; REFERENCES; CONCLUSIONS; ACKNOWLEDGMENT; REFERENCES; APPENDIX; APPENDIX; CHAPTER 7. DIFFERENTIAL ALGEBRA AND PARTIAL DIFFERENTIAL CONTROL THEORY; INTRODUCTION; A) DIFFERENTIAL GEOMETRY; B) DIFFERENTIAL ALGEBRA; CONCLUSION; REFERENCES; CHAPTER 8. CANONICAL FORMS FOR NONLINEAR SYSTEMS; 1. INTRODUCTION; 2. CONTROLLABILITY FORMS; 3. CONTROLLER FORMS; 4. OBSERVABILITY FORMS; 5. OBSERVER FORMS

6. CONCLUSION7. REFERENCES; CHAPTER 9. NEW SUFFICIENT CONDITIONS FOR DYNAMIC FEEDBACK LINEARIZATION; Abstract; 1 INTRODUCTION; 2 PRELIMINARIES; 3 MAIN RESULT; 4 EXAMPLES; 5 CONCLUDING REMARKS; References; CHAPTER 10. ON THE STRUCTURE ALGORITHM, DEGENERATE CONTROLLED INVARIANT DISTRIBUTIONS AND THE BLOCK DECOUPLING PROBLEM; INTRODUCTION; THE STRUCTURE ALGORITHM OF HIRSCHORN(1979); THE STATIC STATE FEEDBACK BLOCK DECOUPLING PROBLEM; THE DYNAMIC BLOCK DECOUPLING PROBLEM; REFERENCES; CHAPTER 11. NONLINEAR MODEL MATCHING WITH AN APPLICATION TO HAMILTONIAN SYSTEMS; 1. INTRODUCTION

2. THE MODEL MATCHING PROBLEM

In the last two decades, the development of specific methodologies for the control of systems described by nonlinear mathematical models has attracted an ever increasing interest. New breakthroughs have occurred which have aided the design of nonlinear control systems. However there are still limitations which must be understood, some of which

were addressed at the IFAC Symposium in Capri. The emphasis was on the methodological developments, although a number of the papers were concerned with the presentation of applications of nonlinear design philosophies to actual control problems in chemic

---