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VI CONCLUDING REMARKS Chapter 9: ANALYSIS OF ROBUSTNESS OF THE INEXACT MODEL MATCHING STRUCTURE TO REDUCED ORDER MODELLING; Abstract; I INTRODUCTION; II DESCRIPTION OF THE PROBLEM; III MATHEMATICAL DESCRIPTION OF THE SYSTEM; IV PROOF OF STABILITY; V CONCLUSIONS; Chapter 10: ROBUSTNESS OF INDIRECT ADAPTIVE CONTROL BASED ON POLE PLACEMENT DESIGN; Abstract; INTRODUCTION; ROBUSTNESS PROBLEM STATEMENT; ADAPTIVE CONTROL; CONCLUSION; APPENDIX; Chapter 11: AN ON-LINE METHOD FOR IMPROVEMENT OF THE ADAPTATION TRANSIENTS IN ADAPTIVE CONTROL; Abstract; INTRODUCTION; DERIVATION OF THE ES OPTIMIZATION OF THE ES AND CORRECTING ACTION THE  $c(.)$ -AP