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172 A Basic Operations Of Tensor Algebra For A Given Basis E_i Any Vector A Can Be Represented As Follows $A = A_1 e_1 + A_2 e_2 + A_3 e_3 \equiv A_i e_i$ The Numbers A_i Are Called The Coordinates Of The Vector A For The Basis E_i . In Order To Compute The Coordinates A_i The Dual (reciprocal) Basis E_k Is Introduced In Such A Way That $E_k \cdot E_i = \delta_{ki}$ = Apr 1th, 2024

APPENDIX A AN INTRODUCTION TO TENSOR ALGEBRA

Tensor Calculus Is A Multidimensional Generalization Of Matrix Algebra. It Is Very Useful In The Analysis Of Multidimensional Linear Systems, Such As The Wideband MIMO Channel. In Particular, The HOSVD Can Be Used To Decompose A Higher-order Tensor Into Several Orthogonal Bases, One For ... Mar 2th, 2024

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