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## Dynamic Modeling for Business Management An Introduction

در این کتاب پس از تعریف مدل های پویا، مدل های پویای کسب و کار معرفی می شوند و با خواندن این کتاب با فرایندهای جریان کاری آشنا می شوید و روش های بهینه مدیریت کسب و کار را می آموزید.

DYNAMIC MODELING FOR  
BUSINESS MANAGEMENT  
AN INTRODUCTION  
EDWARD MCGARVEY • BRUCE HANNON



# Dynamic Modeling For Business Management An Introduction

**M Mosston**



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transformation is carried out with the new basis given by  $\{v_1, v_2, v_3\}$

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web coordinates of  $v$  the standard coordinates are  $v_1, v_2, v_3$  are the  $b_1, b_2, b_3$  are assumed if no other basis is specified this means  $v = v_1 e_1 + v_2 e_2 + v_3 e_3$  if  $\{b_1, b_2, b_3\}$  is a basis of  $\mathbb{R}^3$  then the matrix  $S$  which contains the vectors  $b_k$  as column vectors is called the coordinate change matrix

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web and now that we know what  $D$  is we can now solve for  $A$  we can now solve for the transformation matrix with respect to the standard basis so to do that we have to figure out  $C$  and  $C^{-1}$  so remember  $C$  is just the change of basis matrix and all that is is the basis vectors it's just a matrix with the basis vectors in the column

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web a translation by a nonzero vector is not a linear map because linear maps must send the zero vector to the zero vector however translations are very useful in performing coordinate transformations i'll introduce the following terminology for the

composite of a linear transformation and a translation definition let  $a$  be a real matrix

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web any vector  $v$  represented in  $b$  can be transformed to a representation in  $c$  as follows under the transformation of basis notice that the superscript on the transformation matrix  $m$  and the subscript on the coordinate vector  $v$  are the same and seemingly cancel leaving the remaining subscript

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