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principles of material frame-  
indifference and material symmetry. In  
addition, they involve linearizations of  
various types. INTRODUCTION TO  
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ENGINEERS CHAPTER 2, PART A ...  
of and CHAPTER 2, PART A  
Description. Continuum mechanics  
studies the response of materials to  
different loading conditions. The  
concept of tensors is introduced  
through the idea of linear  
transformation in a self-contained  
chapter, and the interrelation of  
direct notation, indicial notation  
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Description. Continuum mechanics studies the response of materials to different loading conditions. The concept of tensors is introduced through the idea of linear transformation in a self-contained chapter, and the interrelation of direct notation, indicial notation and matrix operations is clearly presented.

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Mechanics.  $R$  are components of a second order tensor.  $R$  are the components of a third-order tensor.  $a Q a R T Q R T \dots = \rightarrow = . Q R Q Q T R T Q R Q Q T R T \rightarrow = \rightarrow = . R Q Q Q R T - = . R Q Q Q R' = ,$  which is the transformation law for components of a third order tensor.

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