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25. Ordinary Differential Equations: Systems Of Equations  
ORDINARY DIFFERENTIAL EQUATIONS: SYSTEMS OF EQUATIONS 5  
25.4 Vector Fields A Vector field On  $R^m$  Is A Mapping  $F: R^m \rightarrow R^m$  That Assigns A Vector In  $R^m$  To Any Point In  $R^m$ . If  $A$  Is An  $M \times M$  matrix, We Can Define A Vector field On  $R^m$  By  $F(x) = Ax$ . Many Other Vector fields Are Possible, Such As  $F(x) = X^2$  Jan 4th, 2024  
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