



Key Takeaways



Symmetric and skew symmetric Matrix:

Every square matrix can be written as sum of a symmetric and a Skew - symmetric matrix .

$$A = \underbrace{\frac{1}{2}(A + A^T)}_{\text{Symmetric matrix}} + \underbrace{\frac{1}{2}(A - A^T)}_{\text{Skew - symmetric matrix}}$$



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