**Nonsingular Matrices whose inverses have tridiagonal and related structures**

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**Abstract**

It is not well known that a nonsingular matrix with the so-called triangle property has a tridiagonal inverse. In this talk, I will give an overview of this matrix class. I will also touch upon some very recent results that we have obtained, for a related class of matrices whose inverses are (what we refer to as) bidiagonal matrices with the south-west structure.