

Pythagorean Triples for Integer Eigenvalues

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This article will present some types of integer matrices with integer eigenvalues. Even though several articles present this topic using high-level mathematics, this article will use the Pythagorean triple formula and basic algebra skills to create integer matrices with integer eigenvalues. The formula to get eigenvalues from these matrices is also given.

Keywords: linear algebra, integer matrices, integer eigenvalues, Pythagorean triples



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