

Transmutation of the Noncommutative Principle

[J. A. Blasone](#), [M. A. Benedatos](#), [D. F. Zayas](#), [J. M. da Rocha](#)

Abstract

We use general extensions of the noncommutative principle to evaluate the transmutation of the noncommutative principle by assigning an explicit translation or rotation of the coordinates. We show that the translation of coordinates becomes the translation of coordinates in the transmutation. It is also shown that the rotation of coordinates becomes the rotation of coordinates in the transmutation. The translation of coordinates is represented by the translation of coordinates in the transmath.