# An approach to Successive Radioactive Decay of Nucleus using some integral Transform

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**Abstract**. In this paper we have been discussed the equations of successive radioactive decay of nucleus by some mathematical methods. The adopted method was Elzaki transform and partial fraction method. The equations of successive radioactive decay of nucleus for three members parent, daughter and grand daughter nucleus have been derived. When we compared Elzaki transform method the Laplace transformation method on successive radioactive decay of nucleus from both the methods we got the same result.

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