

ON NEARLY QUASI-EINSTEIN MANIFOLDS

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In the present paper, we study on nearly quasi-Einstein manifolds. In section I, a brief knowledge on types of quasi-Einstein manifolds are given.

Section II deals with nearly quasi-Einstein manifolds denoted by $N(QE)_n$. In this section, some theorems are proved about this manifold.

In section III, we investigate $N(QE)_n$ spacetimes and give some properties of them.