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GLOBAL EXISTENCE AND BLOW-UP FOR A NONLINEAR $m(x)-$TRIHARMONIC PARABOLIC EQUATION

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ABSTRACT

In this presentation, we investigate a nonlinear parabolic m(x)-triharmonic parabolic equation with logarithmic source terms. Using the potential well method and the Nehari manifold technique, we investigate the global existence and blow up of solutions.

Keywords Blow up · Global existence · potential well method · variable exponent

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