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DYNAMICS FOR TIME-VARYING FISHING MODEL WITH DELAY

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Sufficient condition in terms of the coefficient functions have been obtained for the existence and global attractivity of a positive periodic solution of the fishing model with time delay

$$N'(t) = -a(t)N(t) + b(t)\frac{N(t)}{1 + \left(\frac{N(t-\lambda\tau)}{p(t)}\right)^\gamma}.$$

The results are new and different from the existing results in the literature.

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