1145-39-1032 **Robert J Sacker*** (rsacker@usc.edu), University of Southern California, Mathematics Department KAP 104, 3620 S Vermont Ave, Los Angeles, CA 90064. *Bifurcation in the Almost Periodic Ricker Map.* Preliminary report.

It was shown in an earlier publication that the Ricker equation with Almost Periodic coefficient with finitely generated frequency module and with average value lying in (0, 2) has Almost Periodic solutions lying on a torus \mathcal{T} of the same dimension as the (finite) number of independent generators of the frequency module of the coefficient. The hull H of the coefficient is itself a torus homeomorphic to \mathcal{T} and isomorphic to \mathcal{T} as an Abelian group.

In this paper we find a bifurcation function and show that if the magnitude of the oscillatory part of the coefficient is increased and the average part is then increased above a bifurcation curve a pair of tori bifurcate, each of which is invariant under the composition of two Ricker maps in sequence and enjoys all the properties as in the pre-bifurcation case. In addition we show all the tori discussed above are C^1 smooth.

It is also surprising to notice that the stability interval (0,2) is increased as the magnitude of the oscillatory part of the coefficient is increased. Finally the case of a frequency module that is infinitely generated is treated. (Received September 18, 2018)