1044-34-92   **Xingfu Zou*** (`xzou@uwo.ca`), Department of Applied Mathematics, University of Western Ontario, Lonodon, Ontario , Canada, and **Yanyu Xiao**. *Dynamics in a modified mathematical model for malaria.*

The classic malaria model is modified to include the life cycle of the protozoan parasites within the mosquito vectors. Using some tools/theory from dynamical systems, the new model is analyzed and the dynamical behaviors of the model are determined under some conditions.

This is a joint work with Y. Xiao. (Received August 23, 2008)