

1161-35-29

Heng Li*, Department of Mathematics, Governors State University, University Park, IL 60484,
Yongzhi Xu, Department of Mathematics, University of Louisville, Louisville, KY 40292, and
Jianrong Zhou, Department of Mathematics, Foshan University, Foshan, Guangdong 52800,
Peoples Rep of China. *Some mathematical problems related to DCIS mathematical model.*

We discuss some mathematical problems related to Ductal carcinoma in situ (DCIS) model including direct problem, inverse problem and free boundary problem. DCIS is considered the earliest form of breast cancer. Theoretical and numerical results are presented. (Received July 27, 2020)