1095-51-131 Ayaka Shimizu* (shimizu1984@gmail.com), Department of Mathematics, Gunma National College of Technology, 580 Toriba-cho, Maebashi-shi, Gumma, 3718530, Japan, Kenta Hayano, Department of Mathematics, Osaka University, 1-1 Machikaneyamacho, Toyonaka, Osaka, 5600043, Japan, and Reiko Shinjo, School of Science and Engineering, Kokushikan University, 4-28-1 Setagaya, Setagaya-ku, Tokyo, 1548515, Japan. *Region crossing change on spatial graphs.*

Region crossing change at a region of a knot, link or spatial-graph diagram is the crossing changes at all the crossings on the boundary of the region. In this talk, we show that we can make any crossing change on any spatial-graph diagram which has no separating circles by a finite number of region crossing changes. (Received September 06, 2013)