1114-57-77 **Atsushi Ishii**, **Ryo Nikkuni*** (nick@lab.twcu.ac.jp) and **Kanako Oshiro**. *On calculations of the twisted Alexander ideals for spatial graphs, handlebody-knots and surface-links.*

We calculate the twisted Alexander ideals for spatial graphs, handlebody-knots, and surface-links. For spatial graphs, we calculate the invariants of Suzuki's theta-curves and show that the invariants are nontrivial for Suzuki's theta-curves whose Alexander ideals are trivial. For handlebody-knots, we give a remark on abelianizations and calculate the invariant of the handlebody-knots up to six crossings. For surface-links, we correct Yoshikawa's table and calculate the invariants of the surface-links in the table. (Received August 10, 2015)