

Research Program

This year's research activities include the following plans: ■

- (1) A study on knotting probability of a spatial arc.
- (2) A new development on topological imitations of $(3,1)$ -manifold pairs.
- (3) A study on a commutative password system applying knottheory.
- (4) Diffusion of an infant and elderly versions of the knot game "Region Select" into society.
- (5) A study on a complexity of knitting.
- (6) A study on the fundamental group of a ribbon 2-knot.
- (7) A study on the smooth unknotting conjecture for a general surface-knot
- (8) A study on a Seifert hypersurface for a surface-knot.
- (9) A study on the smooth 4-sphere conjecture