

## **Galois covers of graphs and embedded topology of plane curves**

**Takeo Shirane<sup>1</sup>**

### **SUMMARY**

It is known that study of the “splitting of plane curves with respect to Galois covers is effective to distinguish the embedded topology of certain plane curves. In this talk, we introduce the splitting graph which represents the “splitting of plane curves. By using the splitting graph, we classify the embedded topology of Artal arrangements consisting of a smooth curve and three lines

<sup>1</sup>Tokushima University, Japan