

1115-57-273      **Seungwon Kim\*** (math751@gmail.com). *Link diagrams with low Turaev genus*. Preliminary report.

The Turaev genus of a link is a topological measure of how far a given link is from being alternating. We classify the link diagrams with Turaev genus one and two in terms of an alternating tangle structure. In this talk, we will discuss this classification and several applications. (Received September 22, 2015)