

1154-53-1787

Yun Oh* (ohy@andrews.edu). *V^T-Rectifying submanifolds.*

The idea of rectifying curves in \mathbb{E}^3 was introduced in 2003 by B.-Y. Chen and he extended the notion to the rectifying submanifold in \mathbb{E}^n in 2016. The following year he introduced the rectifying submanifold in an arbitrary Riemannian manifold associated with a torqued vector field V . In this talk, we investigate an another idea of rectifying submanifold in terms of the normal component of a torqued vector field V . Some recent results will be discussed. (Received September 16, 2019)