

1086-35-2251      **Soohyun Bae\*** ([shbae@hanbat.ac.kr](mailto:shbae@hanbat.ac.kr)), Faculty of Liberal Arts and Sciences, 125 Dongseodaero, Yuseong-gu, Daejeon, 305-719. *Asymptotic self-similarity in semilinear elliptic equations.*

Scale invariance in semilinear elliptic equations plays important roles in studying solution structure. It is natural to look for a self-similar solution which is invariant under the scaling. In general, asymptotic self-similarity is a useful viewpoint to understand the existence and the asymptotic behavior of solutions. In this talk I give a survey on the subject and discuss related topics. (Received September 25, 2012)