1107-37-270 **Karma Dajani*** (`k.dajani1@uu.nl`), Mathematics Department, Utrecht University, Budapestlaan 6, Utrecht, Netherlands. *On univogue points for self-similar sets.*

Let $K \subseteq \mathbb{R}$ be the unique attractor of an iterated function system. We consider the case where K is an interval and study those elements of K with a unique coding. We prove under mild conditions that the set of points with a unique coding can be identified with a subshift of finite type. As a consequence of this, we can show that the set of points with a unique coding is a graph-directed self-similar set in the sense of Mauldin and Williams. The theory of Mauldin and Williams then provides a method by which we can explicitly calculate the Hausdorff dimension of this set. (Received January 17, 2015)