Chapter 6

Concluding Remarks

The algorithm for modeling the leaf shape can be used to construct six shape of leaf, namely, Lanceolate, Oblong, Elliptic, Ovate, Cordate, and Obcordate by adjusting some parameters of control points. The leaf network can be created according to the types of leaf shape. The growth function of soybean leaf is based on the raw data in order to simulate and visualize the growth of soybean leaf. The main advantages of the proposed model are case of leaf shape construction by adjusting some parameters.

Future work of the prototype program will involve enhancement for support of other types of leaf. The algorithm for modeling other complex details such as lower level branches, leaf blade texture, and leaf margin are being to develop.