

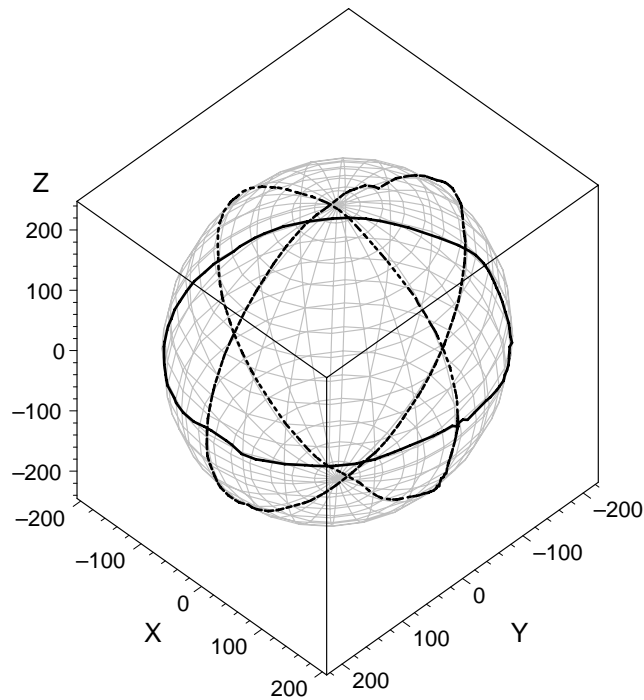
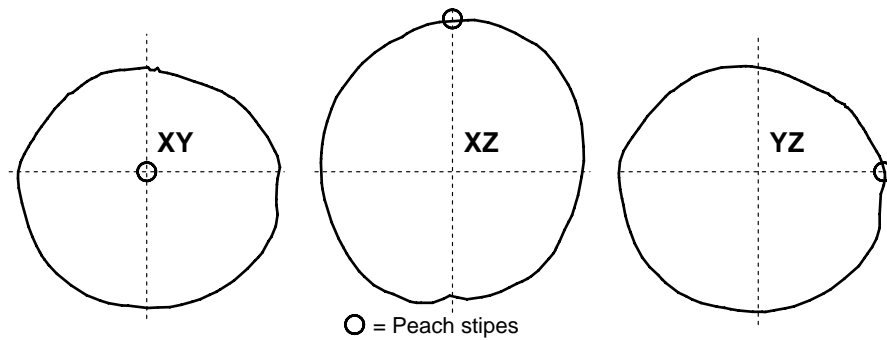
Three Dimensional modelling of the Peach in MAPLE

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Abstract

Linearized Gauss-Newton iteration method is used to determine main axes of three-dimensional ellipsoid approximating peach. Three independent photos displaying peach as ground, side and front view are used as data sources. Programm MAPLE 11 was used as a computer environment. A practical exapmle is presented in order to demonstrate the usage of all required commands. The quality of approximation is evaluated as a final part of the paper.



Initial photos and final approximation