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KEY WORD: RASTER CONTOUR LINE / AUTOMATED HEIGHT ASSIGNMENT

SUPAKIT JEERAMONGKOLPANIT : AUTOMATED HEIGHT ASSIGNMENT TO THE
RASTER CONTOUR LINES . THESIS ADVISOR : SUKIT VISESHSIN . Ph. D.
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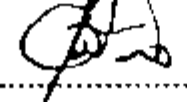
The aim of this thesis is to study and develop a set of computer programs for automated height assignment to the raster contour lines on condition of having enough spot heights on raster contour map. These spot heights can be inputted by interactive or formatted ASCII file. The result is the digital contour line which ready for DTM (Digital Terrain Model) generation.

The result of this development is the programming package. This package has 3 main functions and 1 subfunction. The first function is to compress raster data and assign a code to raster contour lines. The second function is to assign a height to each raster contour lines by using spot heights. The third function is to check the completeness of the height assignment and input more spot heights for the incorrect part. The subfunction is for inputting the spot heights. The efficiency of the package is depended on cleanness of a map and number of spot heights.

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สาขาวิชา Survey Engineering.....

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