

# Partials' Slice Direction and Autoslicing in MineSight® Interactive Planner

The volume and reserves in MineSight® Interactive Planner (IP) for a cut are computed based on the block partials. The precision of partials' computation depends on the number of slices used and on the direction of slices used to compute partials. These options should be selected on IP Tool dialog on Area page. The inputs are saved with the area data.

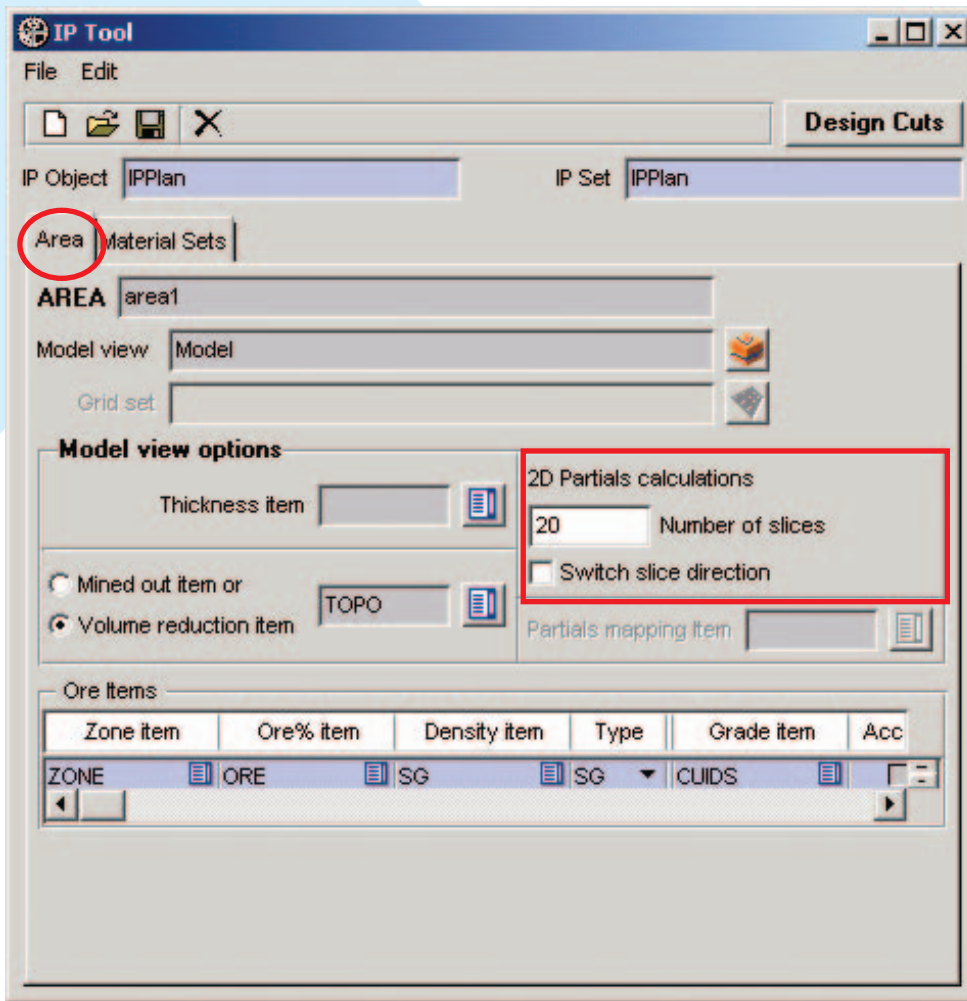


Figure 1 Set Number of slices and slice direction on Area page.

By default the number of slices is 20 and the slice direction is horizontal (e.g., for plan views it is parallel to the Easting direction). To change slice direction, click the toggle **Switch slice direction ON**.

In a case of 2-D planar cuts, if you have a cut with long sides along the west-east direction, you should use north-south slices to obtain a better partials approximation. Figures 2 and 3 illustrate the difference between approximated cut areas when different slice directions are used.

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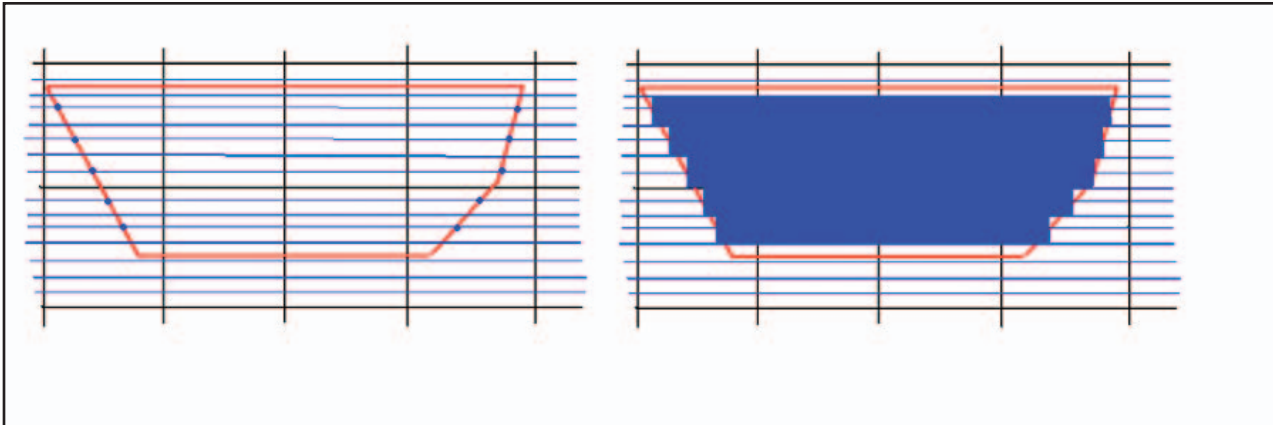


Figure 2 Area used to compute partials with east-west slices.

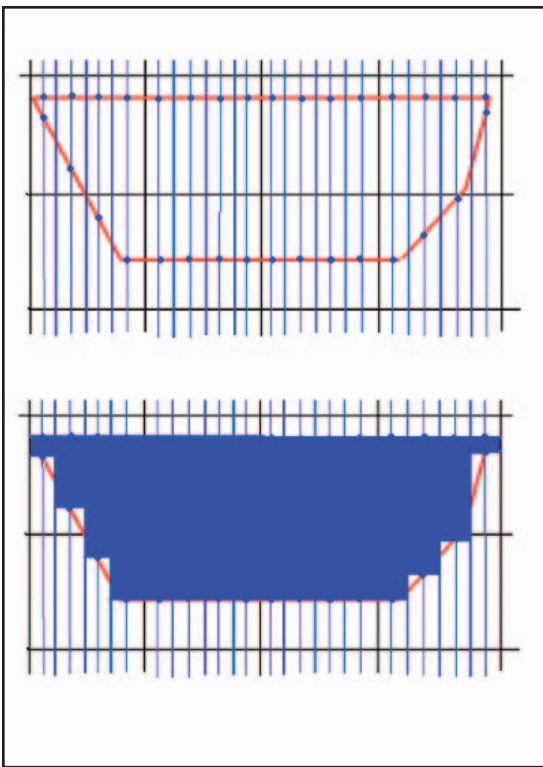


Figure 3 Area used to compute partials using north-south slices (switched slice direction).

When using the Autoslicer tool to generate cuts along a ray, you may generate thin cuts with sides perpendicular to the ray direction (see Figure 4). In this case make sure that the partials slice direction is not perpendicular to the ray. In the example in Figure 4, the ray has azimuth  $0^\circ$ . Make sure to switch the slice direction in this case (toggle **Switch slice direction ON**).

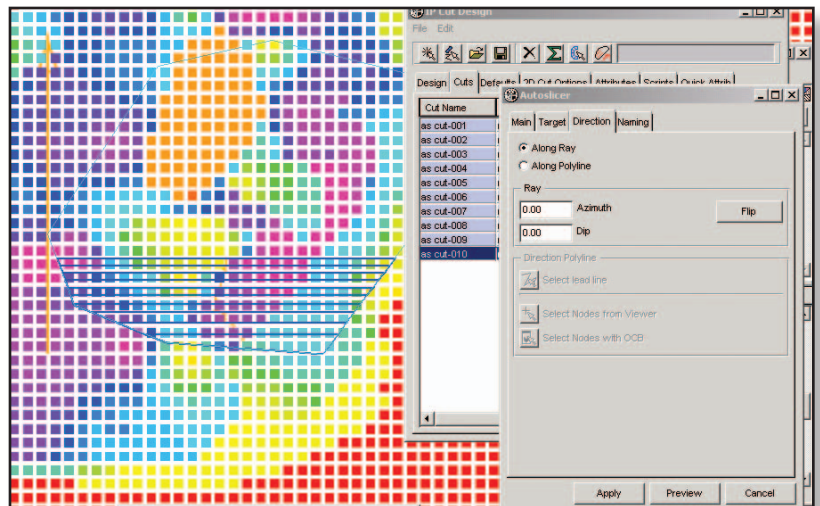


Figure 4 Autosliced cuts.