In this work we report on a set of rules to visit triangles in
triangulated height fields defined over regular grids in a
back-to-front order with respect to an arbitrary viewpoint.

With the viewpoint, we associate an axis-aligned local reference
framework. Projections on the $XY$ plane of the local axis and
the bisector of the first and third quadrants define six sectors.
Specific visiting rules for collections of triangles that project on
each sector are then defined.

The experiments conducted show that the implementation of a simple
algorithm based on the set of visiting rules defined allows real time
interaction when the viewing position moves along an arbitrary 3D
path.

http://dx.doi.org/10.1109/ICCVW.2017.367