Automation of Visualization Processing in the Volume Visualization Software "VDVGE" for Google Earth

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Software to visualize volume data that is called VDVGE (Volume Data Visualizer for Google Earth) has been developed. VDVGE visualizes a four-dimensional scalar data (a three-dimensional scalar data with time series), and exports it to KML and COLLADA which are suitable format for Google Earth. Visualization parameters of VDVGE are usually set by using GUI (graphical user interfaces). Recently, the command line execution mode is implemented as an additional function and it has become possible output the content files for Google Earth without launch GUI window of VDVGE. The simulation data and the observational data are visualized automatically by using this function. In the presentation, the development status of VDVGE and application examples will be introduced.

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