IMS 3D Engine Advisory

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Change Control Record		
Date	Description	Revision
2020/03/03	Original document	0

Table 1: Change record

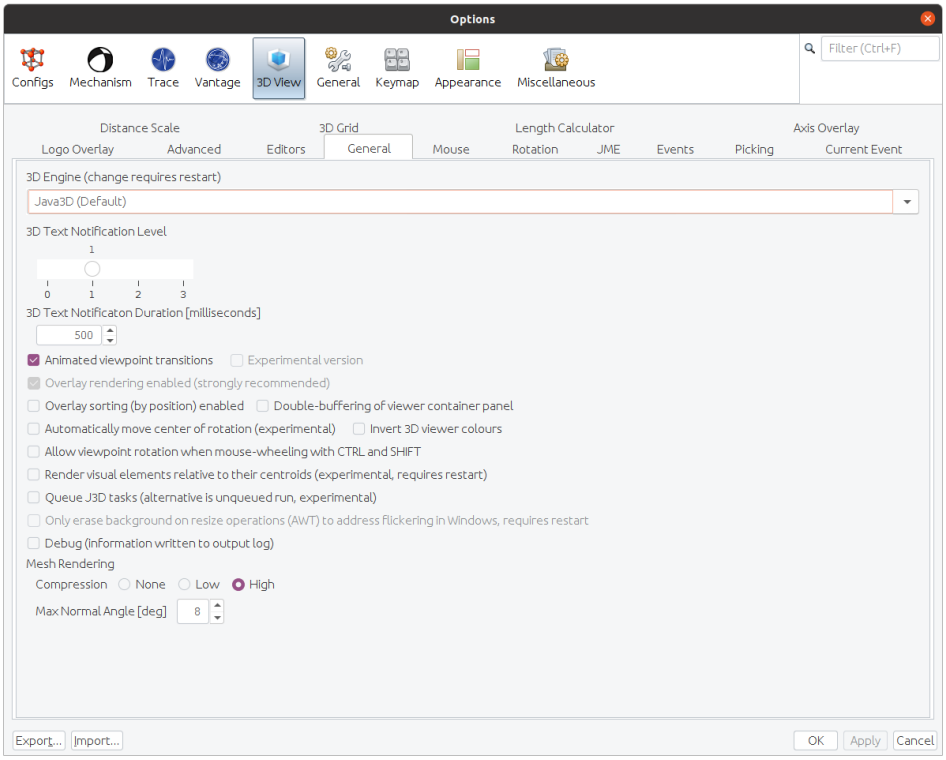

Figure 1: General 3D settings.

1 Overview

The 3D visualisation software packages of IMS (in particular Vantage and Ticker3D) has for long used a single 3D engine, colloquially known as “Java3D” as its back-end. A significant effort has gone into modularising this and allowing the option to swap this default engine for other more modern, high-performance alternatives. The first such option, known as “JME” is available as a selectable option in our software now, and may become the default in the future.

2 Activating JME

To activate the JME engine, open Vantage/Ticker3D, and navigate to Tools->Options->3D View, then go to the “General” tab, as shown in Figure 1.

The “3D Engine” setting (with Java3D as current default) can be switched to JME. If this change is made, the application has to be restarted for this change to take effect. In most circumstances, this should present an improvement in performance,

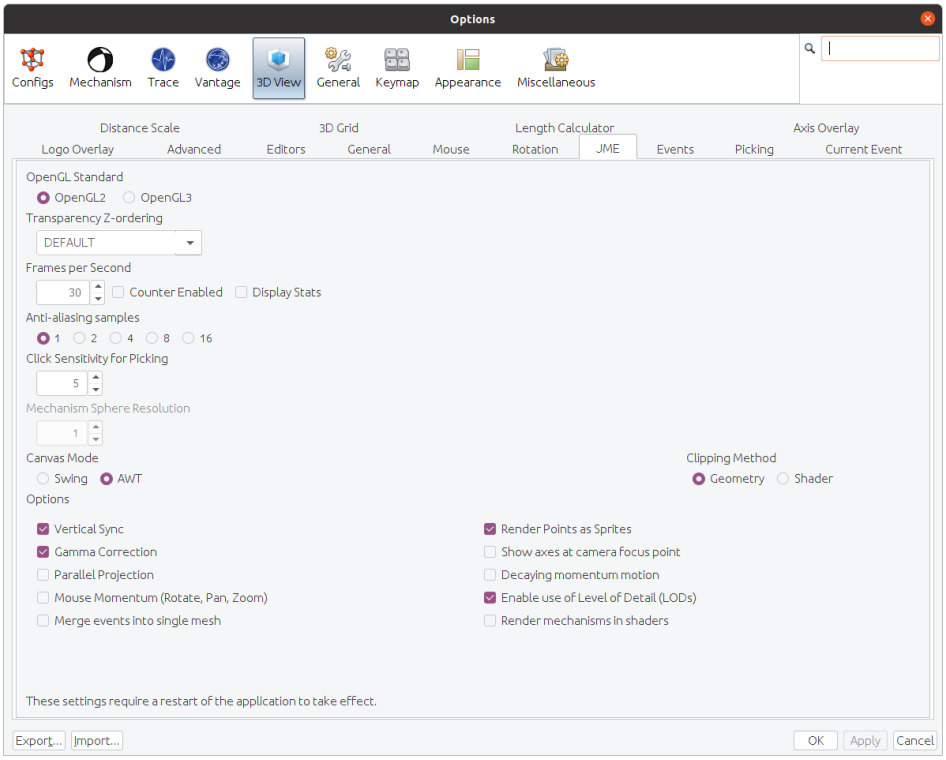

Figure 2: Particular fine-grained settings for JME. The AWT setting may be particularly helpful in some situations.

however if this is not the case, the setting can be reverted at the same place. Figure 2 illustrates some optional fine-grained controls of the JME renderer (available under the “JME” tab).

These options are available in any build of the IMS software from July 2019 and onwards.