>> overview

customisation

paramics, flexible options and limitless application

Quadstone Paramics provides a highly customisable simulation engine. At the application level users can fine tune and “localise” elements of the simulation network to represent local driving behaviour in a number of ways. Factors affecting driver behaviour, route choice, lane choice and vehicle to vehicle interaction can be configured in a structured layered framework comprising of global, category (link super class) and link/node levels.

For ease of reporting Quadstone Paramics Analyser and Processor generate output in XML which is automatically formatted using XSL style sheets. A number of style sheets are provided by default but users are free to provide their own which can be used directly through the software applications. With this method users can format Paramics output any way they wish and standardise formats across all applications.

All modules in the Quadstone Paramics range allow full customisation of user preferences including graphics layers, colours, text sizes, annotation etc.

At the engine level Quadstone Paramics provides a comprehensive software development kit or API; Paramics Programmer. Programmer is the most powerful research and customization tool available for users interested in microscopic traffic simulation. Programmer allows users to augment the Paramics simulation engine with new functions, driver behaviors and practical features. At the same time researchers can opt to override or replace sections of the Paramics simulation with their own behavioral models.

Programmer can be used for research, all aspects of ITS, real time connectivity and control, via real world hardware/software systems and advanced or customized model behaviors.

With Paramics programmer your imagination really is the limit.