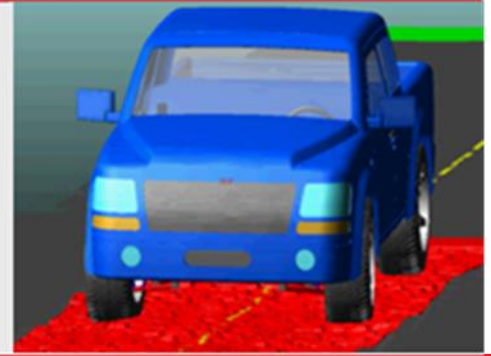


Adams EncVPG for Applus+ IDIADA Virtual Proving Ground



Overview

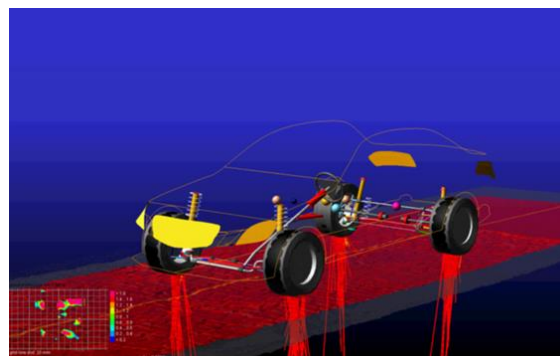
EncVPG is an Adams toolkit developed in collaboration with Applus+ IDIADA to be able to use their encrypted Virtual Proving Ground in combination with Adams/View or Adams/Car.

The objective for automotive OEMs and Tier 1 suppliers is to adopt fully analytical methods, thus reducing or eliminating the need for physical prototypes to acquire wheel force data. The challenge is that any change to the vehicle model would affect the wheel forces over a given road and therefore require re-acquisition of the wheel forces. For a fully-analytical process it therefore requires a vehicle model and a tire model as well as a road/track model.

Virtual proving grounds are the ultimate form for road and track models but to protect their intellectual property they tend not to be commercially available. However Applus+ IDIADA have made their proving ground commercially available in an encrypted crg format and the Adams EncVPG toolkit will make it possible to use these encrypted roads within Adams. EncVPG is available for both Adams/View as well Adams/Car and works with any tire model available in Adams.

The Applus+ IDIADA Virtual Proving Ground offers the following 3D digitized tracks:

- General Road
- High Speed Circuit
- Fatigue Tracks
- Comfort Tracks
- Dry and Wet Handling
- Test Hill



Capabilities

- Easy to use installation wizard
- Read encrypted Applus+ IDIADA Virtual Proving Ground tracks
- Restricting graphical output
- Works with Adams/View and Adams/Car
- Works with any tire model in Adams
- CPU time is not negatively influenced

Benefits

- To achieve fully-analytical process to reduce the need for physical prototypes to acquire wheel force data.

Requirements

- Windows 32 & 64 bit – Linux
- Adams Versions: 2015 onwards

Please contact
info-msc@mscsoftware.com for
more information.

Applus⁺
IDIADA