

# Fuel and Ignition Maps

- This is a typical Fuel Map – it applies corrections to the measured mass air flow (or the air flow implied by the manifold pressure in this example) caused by variations in the pumping efficiency of the engine as the RPM changes. A similar three-dimensional map is used to calculate ignition advance at various RPM and load values.
- GEMS uses engine speed and Mass Air Flow instead of Manifold Pressure as inputs, and the final output is injector pulse width.

