

## The new imc FAMOS 2021

New and optimized evaluation functions plus improved usability



Berlin, November 10, 2020 - imc FAMOS 2021 is now available, replacing imc FAMOS version 7.5.

imc FAMOS 2021 allows users to evaluate extensive measurement data easily and includes many new and optimized functions.

For data analysis, functions have now been integrated for the calculation of differential equations. In addition, the graphical user interface has been redesigned for improved operation. The panel of imc FAMOS 2021 includes new widgets that allow users to display and select areas intuitively by mouse click. Furthermore, table and text elements can now be formatted even more individually in the panel. Further improvements have also been made to the FAMOS sequence editor.

### New differential equation function for the analysis of measurement data

With imc Famos 2021, calculation functions for the evaluation of signals now also allow users to solve ordinary differential equations (GDGL or ODE), including with the classic Runge-Kutta method (RK4).

## **New features in the functions for sequence creation**

The sequence editor has been improved for users who program their own automated data analysis. In addition to non-numeric expressions in the initialization list syntax, the editor now supports block comments and makes it easier to enter double quotation marks within text constants. Furthermore, code lines in the editor can now be displayed in a more compact visual form by inserting a wrap.

## **Improved usability of the user interface**

Overall, imc FAMOS 2021 is even more user-friendly than its predecessor versions. The newly designed user interface offers users higher contrast and displays work areas more clearly. The size of operation icons adapts according to the display scaling set in MS Windows (High DPI) to provide a better overview.

## **Intuitive new display and data selection functions in panel and curve windows**

The panel makes it easier to work with measured values and results, and has been expanded with new functionalities. In addition to minor changes, such as the drag & drop of text field variables, new "Spinedit / Rotating Field", "TimeSpan" and "Numeric Range" widgets allow numerical ranges, values or time ranges to be defined in any measurement series using buttons and sliders, and to be specifically displayed. Furthermore, the "Curve Window" widget now supports mouse events. This allows users to edit the graphic display of measurement data more individually and trigger actions via mouse click. The panel also has new formatting options for the frames and text of tables and labels. For labels and tables, the panel also has new placeholders that allow comments or file paths to be inserted. In addition, the context menu of widgets has been enhanced through predefined placeholders.

imc FAMOS 2021 also offers new functions in the curve window that are intuitive to use. Individual channels can now be selectively displayed or hidden by mouse click. Touch control in the curve window also allows the curve to be moved in X or Y direction with a simple mouse click, providing a detailed, section-by-section view as a result of the changed scaling.

A complete overview of all new and optimized functions in imc FAMOS 2021, along with a download of the demo version, is available on the imc FAMOS website: [www.imc-famos.de](http://www.imc-famos.de)

## **imc Test & Measurement GmbH**

imc Test & Measurement GmbH is a manufacturer and solution provider of productive test and measurement systems. Together with its customers from the fields of automotive engineering, mechanical engineering, railway, aviation and energy, imc implements metrological solutions for R&D, service and manufacturing. Every day customers use imc measurement devices, software solutions and test benches to validate prototypes, optimize products, monitor processes and gain knowledge from measurement data. The performance promise "productive testing" is consistently pursued by imc. The company offers its customers top technological performance along the entire measurement chain.

The core of the product portfolio consists of imc's modular measurement, control and automation systems, which are supplemented by custom-fit sensor and telemetry systems for customer applications. Using the imc software platform, users can quickly and easily implement comprehensive test and measurement processes, perform real-time analyses and automate test benches. With powerful software tools for the analysis and management of test and measurement data, as well as cloud services, imc sets trends in future technologies, such as smart data analysis, and brings measurement technology solutions to industry 4.0 and the Internet of Things (IoT).

imc has particular expertise in the design and production of turnkey electric motor test benches. Equipped with state-of-the-art test procedures, such as load-free acquisition of motor parameters and automated test sequences, they accelerate customer testing. imc test benches work reliably worldwide, both in R&D and in production environments.

As a solution provider, imc offers its customers an attractive range of services. These include project consulting, contract measurements, data evaluation, outsourcing of specialists, customer-specific software development and system integration.

imc customers benefit both nationally and internationally from a strong expertise and sales network that implements test and measurement solutions locally in more than 25 countries.

Founded in 1988 in Berlin, the company employs around 250 people at three locations in Germany. Together with other companies, imc forms the "imc group". These include the international headquarters in France, Switzerland, the Netherlands, the USA and China, as well as the German sensor and telemetry specialist CAEMAX Technologie GmbH. A strategic partnership also connects imc with the telemetry specialist KMT Krauss Messtechnik GmbH.

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