



Automation 360Math Package

Readme

Version 1.0.6

01/02/2022

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1. Introduction

This document contains all essential information for the user to make full use of this **Automation 360 Math Package**. It includes a description of the functions and capabilities and step-by-step procedures for setup & configuration of the **Automation 360 Math Package**.

1.1 Overview

With the package actions you can describe and execute mathematical function in the JavaScript notation. It is based on the JavaScript library Math.js <https://mathjs.org>

1.2 Use cases

The key use cases include:

- Execute mathematical calculations in one action
- Convert numbers from one unit to another like km to miles
- Work with variables to build more complex calculations

2. Requirements & Prerequisites

2.1 System Requirements

- Enterprise Automation 360.22+

2.2 Prerequisites

No special prerequisites

3. Getting Started

3.1 Quick Start

3.1.1 Setup

Import the Automation 360 Math Package in the Control Room under Bots->Packages

3.1.2 Configuration and Use

The package contains the following command actions



General rules

All expressions will be accepted that can be parsed and evaluated. You find a lot of samples here

<https://mathjs.org/docs/expressions/parsing.html>

Name	Description	Parameter	
Math Expression	Math Expression Parser	Expression	Expression to be parsed
		Precision	How many digits should the results have
		Result	String result

3.1.3 Sample expressions

$4+4/2$	=	6
$(4+4)/2$	=	4
$x=2 ; y=3; z=x^2+y^2+\sin(x)$	=	[274.625]
90km in miles	=	55.9234 miles
$\sin(90 \text{ deg}) + \tan(45 \text{ deg})$	=	2
$\sqrt{4}+3^3$	=	29
pi	=	3.14159

4. Support & FAQs

4.1 Support

Free bots are not officially supported. You can get access to Community Support through the following channels:

- You can get access to Community Support, connecting with other Automation Anywhere customers and developers on [APeople](#) – the [Bot Building Forum](#), the [Bot Store Support Forum](#), or the [Developers Everywhere Group](#).
- Automation Anywhere also provides a [Product Documentation portal](#) which can be accessed for more information about our products and guidance on [Enterprise Automation 360](#).

4.2 FAQs

You find more information about Math.js here

<https://mathjs.org/>

<https://mathjs.org/docs/expressions/index.html>

For questions relating to Enterprise *Automation 360*: See the [Enterprise Automation 360 FAQs](#).

Appendix A: Record of Changes

Instructions: Provide information on the version number, the date of the version, the author/owner of the version, and a brief description of the reason for creating the revised version.

No.	Version Number	Date of Change	Author	Notes
1	1.0.4	7/08/2020	Stefan Karsten	Initial version
2	1.0.5	03/11/2021	Stefan Karsten	Update to latest Bot Agent libs
3	1.0.6	02/02/2022	Stefan Karsten	Fixed Memory issue

Appendix B: References

No.	Topic	Reference Link
1	Overview of Enterprise Automation 360	Click here
2	Guidance: Building basic Automation 360 bots	Click here
3	Guidance: Building Automation 360 action packages	Click here
4	APeople Community Forum	Click here
5	Automation Anywhere University	Click here