



Remote Code Execution (RCE) via String Literal Injection into math-codegen

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

Summary

CVE	CVE-2026-41507
State	PUBLISHED
Assigner	GitHub_M
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-05-08 14:16:34 UTC
Updated	2026-05-08 16:02:14 UTC
Description	math-codegen generates code from mathematical expressions. Prior to version 0.4.3, string literal content passed to cg.par

Risk And Classification

Primary CVSS: v3.1 9.8 CRITICAL from security-advisories@github.com

CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

EPSS: 0.000450000 probability, percentile 0.138130000 (date 2026-05-09)

Problem Types: CWE-94 | CWE-94 CWE-94: Improper Control of Generation of Code ('Code Injection')

Version	Source	Type	Score	Severity	Vector
3.1	security-advisories@github.com	Secondary	9.8	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H
3.1	CNA	DECLARED	9.8	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Mauriciopoppe	Math-codegen	affected < 0.4.3	Not specified

References

Reference	Source	Link	Ta
github.com/mauriciopoppe/math-codegen/commit/4bb52d3030683362b3559ee8dd9...	security-advisories@github.com	github.com	
github.com/mauriciopoppe/math-codegen/security/advisories/GHSA-p6x5-p4xf...	security-advisories@github.com	github.com	
github.com/mauriciopoppe/math-codegen/pull/11	security-advisories@github.com	github.com	
CVE Program record	CVE.ORG	www.cve.org	ca
NVD vulnerability detail	NVD	nvd.nist.gov	ca

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.