

Kamke differential equations solved in Maple and Mathematica

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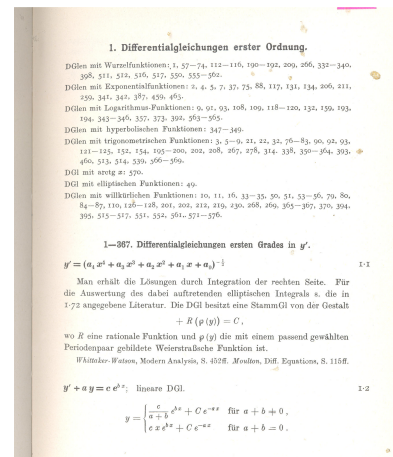
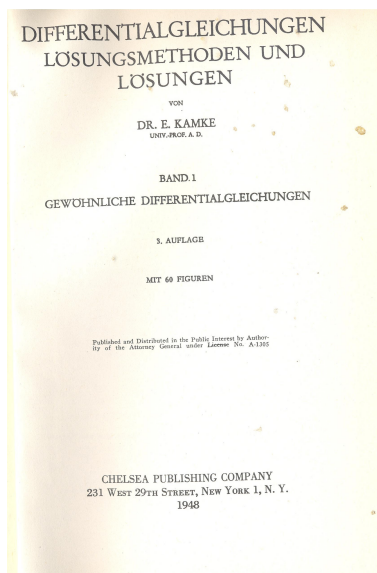
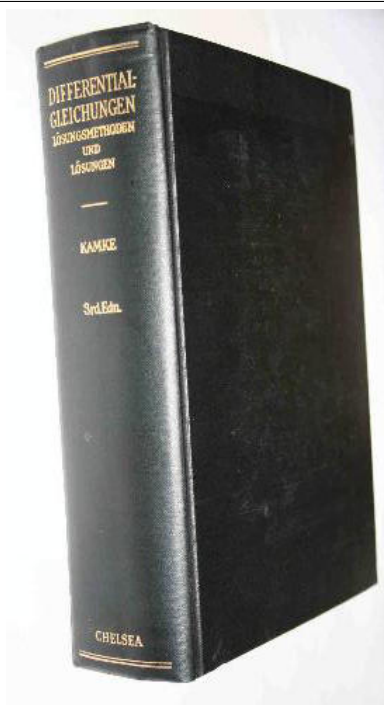
Compiled on September 11, 2023 at 9:38am

[public]

1. HTML Mathematica **12.3.1** and Maple **2021.1**. This uses time out of 5 minutes for each problem. Completed August 12, 2021. All on windows 10.
2. HTML Mathematica **12.3** and Maple **2021**. This uses time out of 5 minutes for each problem. Completed May 20, 2021. All on windows 10.
3. HTML Mathematica **12.1** and Maple **2020**. This uses time out of 5 minutes for each problem. Completed April 28, 2020.
4. HTML Mathematica **12** and Maple **2019**. This uses time out of 5 minutes for each problem. Completed April 20, 2019.
5. HTML Mathematica **11.3** and Maple **2018**. This uses time out of 60 minutes for each problem. Here is Mathematica log file. It took about 5 days for Mathematica and about 1 day for Maple. Completed April 16, 2018.

Introduction

his report contain 1940 ODE's taken from the book "Differential Gleichungen" by Kamke, 3rd edition, solved using Maple and Mathematica.



downloads

1. `mathematica_listing.txt` Current listing of Kamke differential equations in Mathematica syntax in plain text format.
2. `maple_listing.txt` Current listing of Kamke differential equations in Maple syntax in plain text format.
3. `sage_script.sage` Sage script used. Run as follows `sage sage_script.sage`