```
## # A tibble: 4,579 x 13
      function_name calculator
                                   N init_time calc_time calc_hz bytes max_error
##
      <chr>>
                    <chr>>
                               <dbl>
                                          <dbl>
                                                    <dbl>
                                                            <dbl> <dbl>
                                                                            <dbl>
                                                                           0.484
                    linear in~
                                   8
## 1 Smooth_exp
                                             0
                                                   4.83e7
                                                          20.7
   2 Smooth_exp
                                                  8.27e7 12.1
                                                                           0.356
                    linear in~
                                   12
                                              0
                                                                      8
   3 Smooth_exp
                    linear in~
                                  16
                                                  1.95e8
                                                            5.13
                                                                           0.226
    4 Smooth_exp
                    linear in~
                                  20
                                              0
                                                  4.09e8
                                                            2.45
                                                                      8
                                                                           0.134
    5 Smooth_exp
                    linear in~
                                  24
                                              0
                                                  7.33e8
                                                           1.36
                                                                      8
                                                                           0.151
   6 Smooth_exp
                                                  1.31e9
                    linear in~
                                  28
                                              0
                                                            0.764
                                                                      8
                                                                           0.140
                                              0
                                                   2.19e9
                                                                           0.0665
## 7 Smooth_exp
                    linear in~
                                  32
                                                            0.457
## 8 Smooth_exp
                                              0
                                                   3.39e9
                                                            0.295
                                                                           0.0568
                    linear in~
                                  36
## 9 Smooth_exp
                    linear in~
                                  40
                                              0
                                                   5.01e9
                                                            0.200
                                                                      8
                                                                           0.0591
## 10 Smooth_exp
                    linear in~
                                  44
                                              0
                                                   7.27e9
                                                            0.138
                                                                      8
                                                                           0.0498
## # ... with 4,569 more rows, and 5 more variables: blank column <lgl>,
## # err1 <dbl>, err2 <dbl>, err3 <dbl>, Blank <lgl>
```

```
% {My Report or Thesis Title} % % 
% {Dr Hale}
```

| Abstract | ļ |
|----------|----------|
| | |
| | Abstract |

...this is the abstract text...

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- 2 Methods
- 2.1 Equations

This is an x = y equation.

- 2.2 Bullets
- 3 Results
- 3.1 R-code chunk
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#}

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- 4 Conclusion

We described methods in Section 2 and plotted the results in Section 3.4. Supplementary material is in Appendix A.1.

References

Appendix

- A.1 Supporting material
- A.2 Supporting code

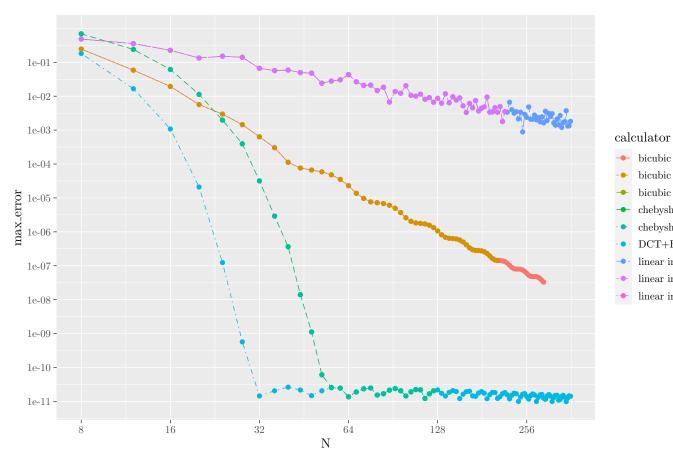


Figure 1: Smooth Exp (Double)

- bicubic interp; CPU Sparse Matrix
- bicubic interp; GPU Sparse Matrix
- bicubic interp; trapezoid rule; CPU
- chebyshev interp; CPU Dense Matrix
- chebyshev interp; GPU Dense Matrix
- DCT+Bessel+IDCT; on padded grid
- linear interp; CPU Sparse Matrix
- linear interp; GPU Sparse Matrix
 - linear interp; trapezoid rule; CPU

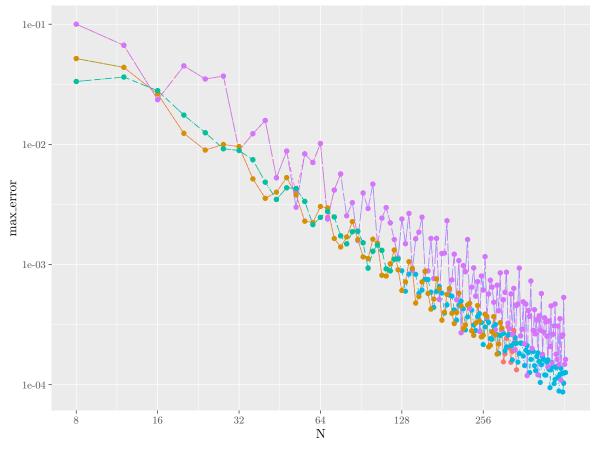


Figure 2: Smooth Poly

calculator

- bicubic interp; CPU Sparse Matrix
- bicubic interp; GPU Sparse Matrix
- bicubic interp; trapezoid rule; CPU
- chebyshev interp; CPU Dense Matrix
- chebyshev interp; GPU Dense Matrix
- DCT+Bessel+IDCT; on padded grid
- -- linear interp; CPU Sparse Matrix
- -• linear interp; GPU Sparse Matrix
 - linear interp; trapezoid rule; CPU

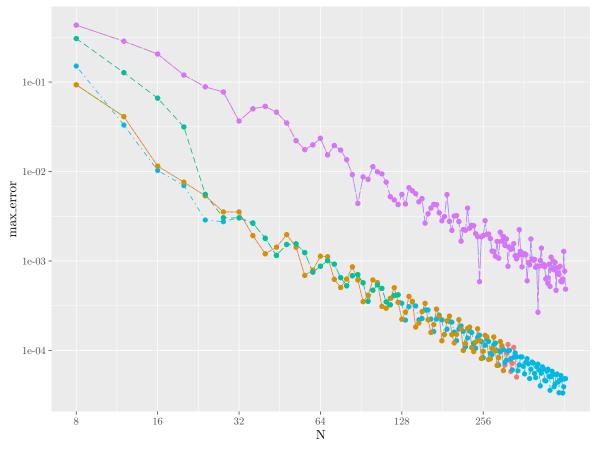


Figure 3: Smooth Runge

calculator

- bicubic interp; CPU Sparse Matrix
- bicubic interp; GPU Sparse Matrix
- bicubic interp; trapezoid rule; CPU
- chebyshev interp; CPU Dense Matrix
- chebyshev interp; GPU Dense Matrix
- DCT+Bessel+IDCT; on padded grid
- linear interp; CPU Sparse Matrix
- linear interp; GPU Sparse Matrix
- linear interp; trapezoid rule; CPU

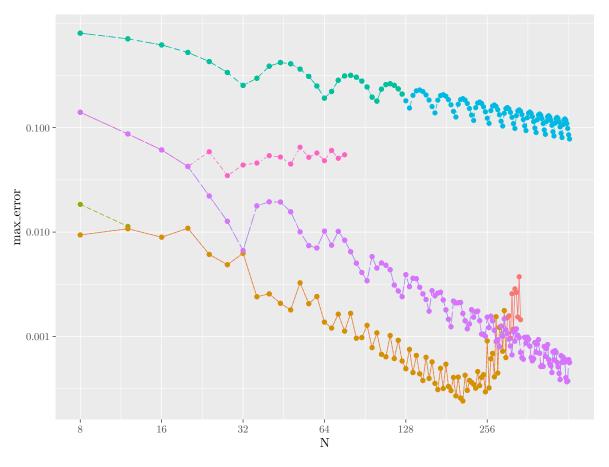


Figure 4: Nonsmooth Sqrt

calculator

- bicubic interp; CPU Sparse Matrix
- bicubic interp; GPU Sparse Matrix
- bicubic interp; trapezoid rule; CPU
- chebyshev interp; CPU Dense Matrix
- chebyshev interp; GPU Dense Matrix
- DCT+Bessel+IDCT; on padded grid
- linear interp; CPU Sparse Matrix
- -• linear interp; GPU Sparse Matrix
- linear interp; trapezoid rule; CPU

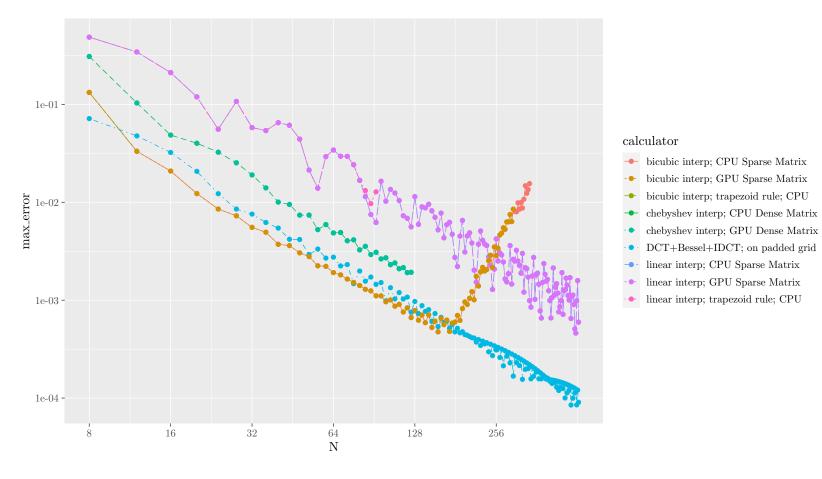


Figure 5: Nonsmooth Abs

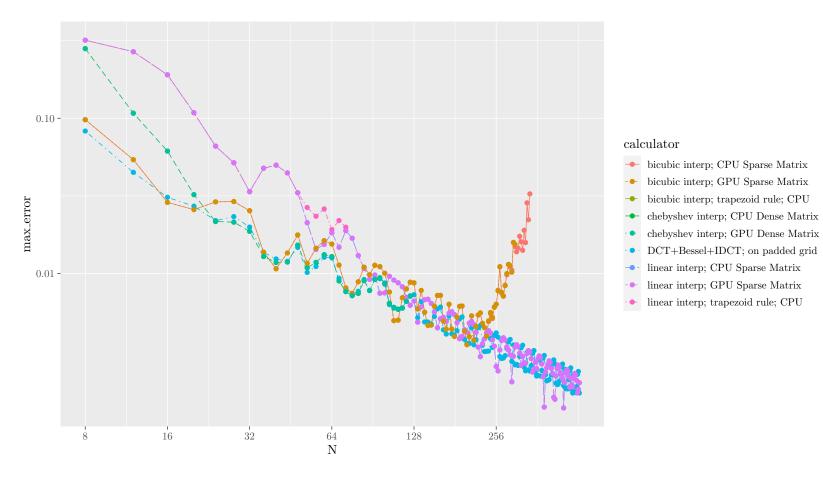


Figure 6: NonSmooth Runge Abs