Montreal Talk III Real Time

June-26-13 6:39 AM

 $SC \left(\begin{array}{c} M & M \\ M & M \end{array} \right)$ $Y \left(\begin{array}{c} k \\ M \\ M \end{array} \right)$ $U \left(\begin{array}{c} M \\ M \\ M \end{array} \right)$

14

7

1+5 +c+9

2

1 0

Sorry - Yesterday I got the answer to the computational complexity question wrong. Complexity is exponential in the length and superexponential in the width. The actual constants as such that in practice you can compute the homology of knots with up to about 70 crossings, and if they are long yet narrow, even a lot more. [Knot tables continue up to 17 crossings, and there are millions of knots that big].

(Thanks, Semen Artamonov)

Z

1

1-1

New handout on dest front

×1... 2- 7... 2

Y,

 Σ_{I}

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