

Research Log

January 7, 2021

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1.1 Inequalities

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2.1 Lambert Function Inequalities

`/home/alex/Desktop/Notes/Winter 2020/LatexForms/lambertinequalities.pdf`

3 1/7

I continue trying to find good inequalities for lambert.

3.1 Lambert

Def. Pochamer symbol is rising factorial

3.2 Tkocz's Algebraic Approach: type-L-bimod

Remark. Suprising $\mathbb{E}|\sum \sqrt{a_j}X_j|^p - \mathbb{E}|X_1|^p = C'_p P(q)$ is a polynomial

Question. Does the supremal gaussian case work out to a polynomial?

Answer. Yes this is the last part of the writeup.

Question. How do nonnegative coefficnets reduce to p=2 case?

Answer. test

Question. What is $q^{(0)}$?