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LOG–CONVEXITY AND CAUCHY MEANS RELATED TO BERWALD'S INEQUALITY

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Abstract. In this paper, we investigate the famous Berwald's inequality. More precisely, we study the Berwald's difference in non-weighted and weighted case. We prove an interesting property of log-convexity of this difference which allows us to deduce Lyapunov's type inequality for these differences. Cauchy type means in this setting are also studied.

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