Inequalities for Hartley-Fourier cosine polyconvolution

NCS: Phi Thi Van Anh

In this talk, we introduce the inequalities for Hartley-Fourier cosine polyconvolution $[*(f, g, h)](x)$, namely inequality of Young's type, inequality of Saitoh's type and their corollaries. Using this inequalities, we can estimate the norm of the solution for a class of integral equations.

The Hartley-Fourier cosine polyconvolution is introduced in the article [1].

References

[1] N. X. Thao, N. M. Khoa and P. T. Van Anh, Polyconvolution and the Toeplitz plus Hankel integral equation, *Electronic Journal of Differential Equations*, Vol. 2014, No. 110, pp 1-14.