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**Title:** Restricted summability of the multi-dimensional Cesàro means of Walsh–Kaczmarz–Fourier series

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The properties of the maximal operator of the  $(C, \alpha)$ -means ( $\alpha = (\alpha_1, \dots, \alpha_d)$ ) of the multi-dimensional Walsh–Kaczmarz–Fourier series are discussed, where the set of indices is inside a cone-like set. We prove that the maximal operator is bounded from dyadic Hardy space  $H_p^\gamma$  to Lebesgue space  $L_p$  for  $p_0 < p$  ( $p_0 = \max\{1/(1 + \alpha_k) : k = 1, \dots, d\}$ ) and is of weak type  $(1, 1)$ . As a corollary, we get a theorem of Simon on the a.e. convergence of cone-restricted two-dimensional Fejér means of integrable functions. In the endpoint case  $p = p_0$ , we show that the maximal operator  $\sigma_L^{\kappa, \alpha, *}$  is not bounded from the dyadic Hardy space  $H_{p_0}^\gamma$  to the Lebesgue space  $L_{p_0}$ .

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