VARIATION FORMULAE FOR TIME VARYING SINGULAR FRACTIONAL DELAY DIFFERENTIAL SYSTEMS

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Abstract. In this paper, the Caputo time varying singular fractional differential systems with delay and the Riemann-Liouville time varying singular fractional differential systems with delay are considered . By the $D-$ inverse matrix and $\overline{\alpha} - \delta$ function, two fundamental solutions are given. The variation formulae for time varying singular fractional differential systems with delay are obtained.

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