

# **Low-complexity fixed-coefficient FIR filter implementation**

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## **Major functions**

SID\_DMST.m:

SID method with a DMST solution  
An example is included for explaining its usage.

SID\_CSE:

SID\_DMST + CSE  
An example is included for explaining its usage.

DMST.m:

Determine a DMST of a directed simple graph

## **Reference:**

1. Yongtao Wang and Kaushik Roy, "A novel low-complexity method for parallel multiplierless implementation of digital FIR filters", ISCAS05.