

## Remarks on NTF Zero Optimization

FOR EVEN-ORDER NTF, YOU MAY WANT TO PLACE A DOUBLE ZERO AT DC ( $z = 1$ ), BECAUSE YOU WANT TO

1. REPRODUCE THE DC LEVEL OF THE INPUT EXACTLY;
2. PREVENT LOW-FREQUENCY TONES;
3. KEEP THE INPUT STAGE AS SIMPLE AS POSSIBLE;
4. MAKE THE INPUT-REFERRED DC NOISE LOW.

SEE P. 111 OF THE GREEN BOOK FOR A DISCUSSION.