

## The Pole Placement Equation - a Survey

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*Abstract:* We consider the linear equation  $AX + BY = C$  where  $A, B$  and  $C$  are given polynomials from  $K[s]$ , the ring of polynomials in the indeterminate  $s$  over a field  $K$ , and  $X$  and  $Y$  are unknown polynomials in  $K[s]$ .

*Keywords:*

*AMS Subject Classification:*