

Second Edition

# ENGINEERING OPTIMIZATION

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## Methods and Applications

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## Ravindran

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in  $3x^2 + 4y^2 + 2y^2 + 5x^4 + 2y^2 + 16x^2y + 16y^4 + 2y^2 + 20y + 10y^2 + 8y^2 + 10y^2 + 2y^2 + 32y + 20y + 32 + 0 + 20y^2 + 52y + 32 + 0 + 4 + 5y^2 + 13y + 8 + 0 + 5y + 8$

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quadratic expression is an algebraic expression of the form  $ax^2 + bx + c$  where  $a$   $b$  and  $c$  are constants  $a \neq 0$  and  $x$  is an unknown  $a$

the highest power of  $x$  is 2