

# DIGITAL SIGNAL PROCESSING

PRINCIPLES, ALGORITHMS,  
AND APPLICATIONS

FIFTH EDITION

## solution manual



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# Modern Digital Signal Processing Second Edition

**Saroja Srinidhi, John G..  
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web compiled by g izquierdo rodríguez page 2 1 directly proportional to the product of their charges  $f \propto q_1 q_2$  inversely proportional to square of the distance between them  $f \propto \frac{1}{r^2}$  therefore  $f \propto \frac{kq_1 q_2}{r^2}$  coulomb s law in symbols  $f = \frac{kq_1 q_2}{r^2}$

coulomb s law the magnitude of the electrostatic force exerted by one point charge  $q$

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