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2 CHAPTER 1 • Linear
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intersection satisfies the
system of two linear
equations: ... In matrix
notation, that means to
replace R_2 by its sum
with 3 times R_3 , and then
replace R_1 by its sum

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with -5 times R_3 . 6.

One more step will put the system in triangular form. Replace R_4 by its sum with -3 ...

1.1 SOLUTIONS

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motivation for
developing the
mathematics that follows.

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Spaces 5. Inner Product
Space 6. Eigen values and
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Professor of Operations
Research at the Naval
Postgraduate School. She
received her Ph.D. in
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University of California,
Davis. Her research
topics cover a wide
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Dr. Ruriko Yoshida is an Associate Professor of Operations Research at the Naval Postgraduate School. She received her PhD in Mathematics from the University of California, Davis. Her research topics cover a wide variety of areas: applications of algebraic combinatorics to statistical problems such as statistical learning on

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