



# Ecology of Marine Sediments

From Science to Management

SECOND  
EDITION

John S. Gray & Michael Elliott

# Ecology Of Marine Sediments

**Gray**



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web  $\det(ab) = \det(a)\det(b)$  if  $a$  is invertible then  $\det(a^{-1}) = \frac{1}{\det(a)}$  solution problems let  $a = \begin{pmatrix} 8 & 1 & 6 & 3 & 5 & 7 & 4 & 9 & 2 \end{pmatrix}$  notice that  $a$  contains every integer from 1 to 9 and that the sums of each row column and diagonal of  $a$  are equal such a grid is sometimes called a magic square compute the determinant of  $a$

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$$\begin{bmatrix} 2 & 2 & 0 & 1 & 1 & 0 & 1 & 1 & 0 & 3 \\ 1 & 1 & 3 & 0 & 1 & 1 & 1 & 1 & 1 & 1 \end{bmatrix}$$
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