

012 ith column. det B; = b1 C1; + b2 C2; + ... + bn Cn; det(AT) = det A AT HEUZ determinant 3. The volume of a Box. · right - angled box > Orthogonal rows $\det (AA^{\mathsf{T}}) = \det(A) \det A^{\mathsf{T}} = (\det A)^2 = l_1^2 \cdot l_2^2 \cdots l_n^2.$ det A = l, l. . In for right - angled boxes > The determinant equals the volume o For parallelogram, - And the projection of each each row, & to make a rectangular space. → using Gram - Schmidt orthogonalization

MOOKEUK