

Correction to **Similarity for 2×2 matrices obtained by clockwise "rotation"**.

December 4, 2024

On page 198, last line, and on page 202, line 10, the value of the determinant $\det(M) = 2(c - b)(b - d)(c - d)$ should be replaced by $\det(M) = 2c(a - b)(b - d)(c - d)$.

Consequently, the statement of **PROPOSITION 2.4.** should read as follows:

Over any integral domain R , a matrix $A = \begin{bmatrix} a & b \\ c & d \end{bmatrix}$ is rotatable only in the following cases:

- (1) $b = c$ or
- (2) $b = d$ or
- (3) $a = b$ or
- (4) $c = 0$ or
- (5) $\text{char}(R) = 2$.

The case $c = 0$ (which implies $a = 0$ or $d = 0$) is easy, and the (only new) case $a = b$ is analogous with the former $b = c$.