

# Corrections to “Review and Analysis of Solutions of the Three Point Perspective Pose Estimation Problem”

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If you are reading [1] in order to implement Finsterwalder’s solution to the three point perspective pose estimation problem, then be aware of the following corrections.

**Page 7 (page 337 of the issue), Equation (16)**

$$(b^2 - mc^2)u^2 + 2(c^2(\cos \beta - n)m - b^2 \cos \gamma)u - c^2n^2 + 2c^2n \cos \beta + b^2 - c^2 = 0$$

should be

$$(b^2 - m^2c^2)u^2 + 2(c^2(\cos \beta - n)m - b^2 \cos \gamma)u - c^2n^2 + 2c^2n \cos \beta + b^2 - c^2 = 0$$

**Page 7 (page 337 of the issue), second column, line 4**

$$A = b^2 - mc^2$$

should be

$$A = b^2 - m^2c^2$$

**Page 7 (page 337 of the issue), second column, line 6**

$$C = -cn^2 + 2c^2n \cos \beta + b^2 - c^2$$

should be

$$C = -c^2n^2 + 2c^2n \cos \beta + b^2 - c^2$$

## References

- [1] Robert M. Haralick, Chung-Nan Lee, Karsten Ottenberg, and Michael Nölle. Review and analysis of solutions of the three point perspective estimation problem. *International Journal of Computer Vision*, 13(3):331–356, December 1994.

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\*Additional correction on February 10, 2015