

Correction

Correction: Ritt, G. Laser Safety Calculations for Imaging Sensors. *Sensors* 2019, 19, 3765

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The author wishes to make the following corrections to the paper [1]:

On page 5, Section 3.1, “The peak irradiance E_0 (W) of the diffraction pattern at the focal plane is given by . . . ”, should be updated to, “The peak irradiance E_0 (W/m²) of the diffraction pattern at the focal plane is given by . . . ”.

On page 20, Section 4.4, the term $P_{\text{laser}} T \lambda F / \pi^3 f^3$ is missing in Equation (59). The correct equation would be:

$$E_d(\Theta_{\text{dazzle,d}}) \approx E_{\text{mean}}(\Theta_{\text{dazzle,d}}) = \frac{P_{\text{laser}} T \lambda F}{\pi^3 f^3} \cdot \frac{1}{\Theta_{\text{dazzle,d}}^3} \cdot \frac{2}{v^2} \exp\left(-\frac{2}{v^2}\right) = E_{\text{sat}} \quad (59)$$

On page 20, Section 4.4, the parameter v^* is missing in Equations (60) and (62). The correct equations would be:

$$E_s(\Theta_{\text{dazzle,s}}) = \frac{P_{\text{laser}} T N_{\text{ss}} b_0}{f^2} \frac{1}{(v^*)^2} \left[1 + \frac{1}{(v^*)^2} \left(\frac{\Theta_{\text{dazzle,s}}}{l} \right)^2 \right]^{\frac{2}{s}} \cdot \left(1 - \exp\left(-\frac{2}{v^2}\right) \right) = E_{\text{sat}} \quad (60)$$

$$\Theta_{\text{dazzle,s}} = v^* \cdot l \cdot \sqrt{\left(\frac{E_{\text{sat}}}{P_{\text{laser}} T} \cdot \frac{f^2 (v^*)^2}{N_{\text{ss}} b_0} \cdot \frac{1}{\left(1 - \exp\left(-\frac{2}{v^2}\right) \right)} \right)^{\frac{2}{s}} - 1} \quad (62)$$

The author apologizes for any inconvenience caused and states that the scientific conclusions are unaffected. The original article has been updated.



Citation: Ritt, G. Correction: Ritt, G. Laser Safety Calculations for Imaging Sensors. *Sensors* 2019, 19, 3765. *Sensors* 2021, 21, 1959. <https://doi.org/10.3390/s21061959>

Received: 30 July 2020
Accepted: 28 December 2020
Published: 15 March 2021

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Reference

1. Ritt, G. Laser Safety Calculations for Imaging Sensors. *Sensors* 2019, 19, 3765. [[CrossRef](#)]