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**Optics and photonics — Lasers  
and laser-related equipment —  
Vocabulary and symbols**

*Optique et photonique — Lasers et équipements associés aux lasers  
— Vocabulaire et symboles*

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## Foreword

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This document was prepared by Technical Committee ISO/TC 172, *Optics and photonics*, Subcommittee SC 9, *Laser and electro-optical systems*.

This fifth edition cancels and replaces the fourth edition ISO 11145:2016, which has been technically revised. The main changes compared to the previous edition are as follows:

- a) the term beam position has been renamed "beam centroid" and defined formally as a first-order moment;
- b) the term beam ellipticity has been clarified;
- c) the term beam waist location has been included;
- d) the term optical resonator has been included;
- e) the term 10 % pulse duration has been generalized to a selected percentage pulse duration;
- f) the formula in the term beam diameter has been adjusted;
- g) the order of the terms has been adjusted.

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