

## List of publications

### Refereed journal papers:

1. C. Filosa, J. ten Thije Boonkkamp, W. IJzerman, *Ray tracing method in phase space for two-dimensional optical systems*, Applied optics, Optical Society of America, Volume 55, pp 3599–3606, 2016;
2. C. Filosa, J. ten Thije Boonkkamp, W. IJzerman, *Phase space ray tracing for a two-dimensional parabolic reflector*, Mathematics and Statistics, Volume 5, pp. 135 - 142, 2017.

### Conference proceeding:

1. C. Filosa, J. ten Thije Boonkkamp, W. IJzerman, *Inverse ray mapping on phase space for two-dimensional optical systems*. Optical Fabrication and Testing, OSA, 2017.

### Conference presentations:

1. C.Filosa,J.H.M.ten Thije Boonkkamp, W.L.IJzerman, *A fast ray tracing method based in phase space*, ECMI 2016 (Santiago de Compostela, Spain);
2. C. Filosa, J.H.M.ten Thije Boonkkamp, W.L.IJzerman, *Phase space of optical surfaces: a new method to compute target photometric variables*, EOSAM 2016 (Berlin, Germany);
3. C. Filosa, J.H.M. ten Thije Boonkkamp, W.L.IJzerman, *Inverse ray mapping on phase space for two-dimensional optical systems*, OSA Freeform optics (Denver, Colorado);
4. C. Filosa, J.H.M. ten Thije Boonkkamp, W.L.IJzerman, *An inverse ray mapping method in phase space applied to two-dimensional optical systems*, ENUMATH 2017 (Bergen, Norway).

### Posters:

1. C.Filosa,J.H.M.ten Thije Boonkkamp, W.L.IJzerman, *A new ray tracing method in phase space*, ILIAD 2015, Eindhoven TU/e;
2. C.Filosa,J.H.M.ten Thije Boonkkamp, W.L.IJzerman, *Ray mapping reconstruction in phase space*, ILIAD 2016, Eindhoven TU/e.