

## alkene photoisomerization

*Photochemical process* with geometrical isomerization of a carbon–carbon double bond.

Notes:

1. Geometrical isomerization of a C–C double bond is called a *cis/trans isomerization* in 1,2-disubstituted alkenes. *E/Z* isomerization is a more general designation applying also to higher substituted alkenes.
2. This process leads to a photostationary state if both isomers absorb light under the reaction conditions.

**Source:**

PAC, 2007, 79, 293 (*Glossary of terms used in photochemistry, 3rd edition (IUPAC Recommendations 2006)*) on page 302