A bond angle is the angle between two bonds originating from the same atom in a covalent species.

eg. 1:

\[
\begin{array}{c}
  \text{bond angle} \\
  \text{H} & \text{O} & \text{H} \\
\end{array}
\]

eg. 2:

\[
\begin{array}{c}
  \text{bond angle} \\
  \text{H} & \text{C} & \text{H} \\
\end{array}
\]

Geometrically, a bond angle is an angle between two converging lines.

eg:

\[
\begin{array}{c}
  \text{bond angle} \\
  \text{H} & \text{O} & \text{H} \\
\end{array}
\]

\[
\begin{array}{c}
  \text{bond angle} \\
  \text{H} & \text{C} & \text{H} \\
\end{array}
\]

see also dihedral angle

Contributors

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