## Concatenation of two curves



The curve $\gamma$ goes from $\boldsymbol{A}$ to $\boldsymbol{B}$, while the curve $\delta$ goes from $\boldsymbol{C}$ to $\boldsymbol{D}$. . If one combines these curves by first going along $\gamma$ from $\boldsymbol{A}$ to $\boldsymbol{B}$ and then along $\delta$ goes from $\boldsymbol{C}$ to $\boldsymbol{D}$, the resulting curve from $\boldsymbol{A}$ to $\boldsymbol{C}$ is known as $\gamma$ the concatenation of $\gamma$ and $\delta$. Frequently one denotes curves of this sort by notation of the form $\gamma+\delta$.

