Proof Without Words: Double Angle Formula via Area

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\[
\sqrt{2} \sin 2\theta
\]

\[
\sqrt{2}
\]

\[
\sin 2\theta
\]

\[
\sqrt{2} \cos \theta
\]

\[
\sqrt{2} \sin \theta
\]

\[
2 \sin \theta \cos \theta
\]

*The author is supported by an NSERC Discovery grant


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