Improving Delimiters
Providing examples of how the newer definitions are more robust to sizing than the older definitions.

Original Outer Product

$$|0^{\perp}_{\theta,\gamma}\rangle\langle 0^{\perp}_{\theta,\gamma}|$$

New Outer Product

$$\left|0^{\perp}_{\theta,\gamma}\right\rangle\left\langle 0^{\perp}_{\theta,\gamma}\right|$$

Original Inner Product

$$\left\langle 0^{\perp^A}_{\theta,\gamma}\right|\left. 0^{\perp^A}_{\theta,\gamma}\right\rangle$$

New Inner Product

$$\left\langle 0^{\perp^A}_{\theta,\gamma}\middle| 0^{\perp^A}_{\theta,\gamma}\right\rangle$$

Original Matrix Element

$$\left\langle x^A\right|(B^D)^2|x^C\rangle$$

$$\left\langle x^A\middle|(B^D)^2\middle|x^C\right\rangle$$