The chem-braket package

Macros for chemist's notation bra–ket (|) notation

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Commands defined are:

```
\cbra{ }  \cket{ }  \cbraket{ }    \small{ }
\CBra{ }  \CKet{ }  \CBraket{ }  \expanding{ }
```

These function exactly like the braket package. The "small versions" use fixed-size brackets independent of their contents, whereas the "expanding versions" make the brackets and vertical lines expand to envelop their contents (internally using the `\left` and `\right` commands). You should use the vertical bar character "`|`" to input any extra vertical lines. In `\Braket` these vertical lines will expand to match the arguments. E. g.,

```
\CBraket{ \phi | \frac{\partial^2}{\partial t^2} | \psi }
```
$$\left(\phi \middle| \frac{\partial^2}{\partial t^2} \middle| \psi\right)$$

```
\CBraket{ \mu\nu | \lambda\sigma }
```
$$(\mu\nu \,|\, \lambda\sigma)$$

This was recommended in the original package, so that is what I have done:

```
Because each definition is so small, it makes no sense to have a
complicated generic version for many bracket styles.  Instead,
you can just copy the definitions and change \verb+\langle+ or \verb+\rangle+,
to what you like.
```