2. Denote algebras

$$\Psi^{-\infty}_{\omega'}(W) \xhookrightarrow{\text{ideal}} \Psi^{0}_{\omega'}(W)$$

$$\mathcal{S}(W) = \dot{C}^{\infty}(\bar{W}) \qquad C^{\infty}(\bar{W})$$

- special case: Last time $W = \mathbb{R}^{2n}$, ω' symplectic.

- special case: today $W = \mathbb{R} \times \mathbb{R}^{2n}$, ω' symplectic on $\mathbb{R}^{2n}$

- special case: $\omega' = 0$ – commutative product.

For the moment

$$\Psi^{-\infty}_{\omega'}(W) = \Psi^{-\infty}_{1,\mathrm{cpt}}(n)$$

$W = \mathbb{R} \times \mathbb{R}^{2n}$, ω'-symplectic on $\mathbb{R}^{2n}$

Investigate $\Psi^{-\infty}_{1,\mathrm{cpt}}(n) \subset \Psi^{0}_{1,\mathrm{cpt}}(n)$

by 'analogy' with yesterday.