

- dAFF construct a new generator as a superposition of the 3 constants of motion

$$G = uH + vD + wK$$

and introduce new time variable τ and field operator $q(\tau)$

$$d\tau = \frac{dt}{u + vt + wt^2}, \quad q(\tau) = \frac{Q(t)}{[u + vt + wt^2]^{\frac{1}{2}}}$$

- Find usual quantum mechanical evolution for time τ

$$G|\psi(\tau)\rangle = i\frac{d}{d\tau}|\psi(\tau)\rangle$$

$$i[G, q(\tau)] = \frac{dq(\tau)}{d\tau}$$

and usual equal-time quantization $[q(t), \dot{q}(t)] = i$