M. E., Resolution of unity, Hadamard exponential product and Polyzetas

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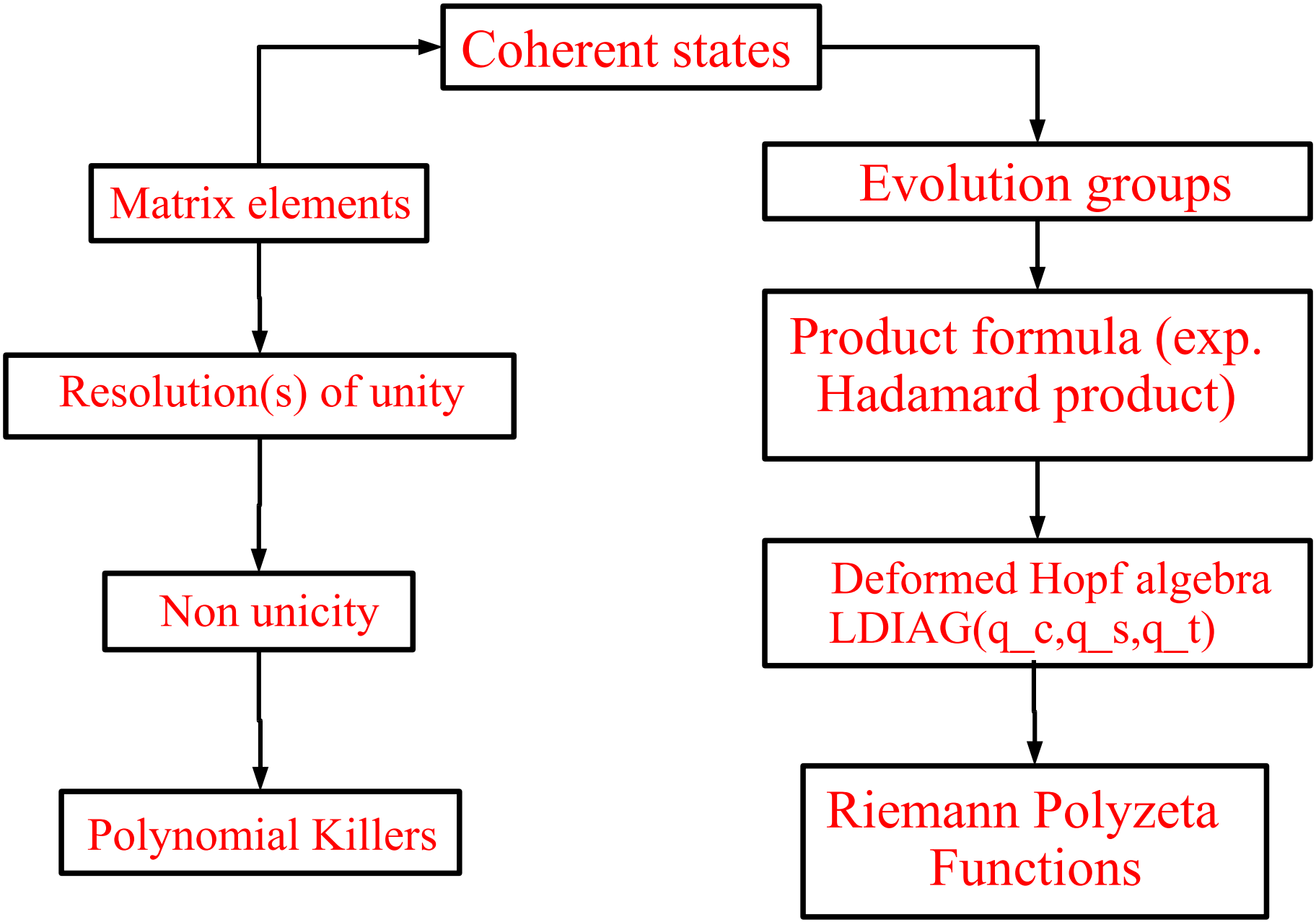

Coherent states
Matrix elements
Resolution(s) of unity
Non unicity
Polynomial Killers
Evolution groups
Product formula (exp. Hadamard product)
Deformed Hopf algebra LDIAG(q_c,q_s,q_t)
Riemann Polyzeta Functions

(Classical) Coherent states

$$|z> = exp(-\frac{|z|^2}{2}) \sum_{n=0}^{\infty} \frac{z^n}{\sqrt{n!}} |n>$$

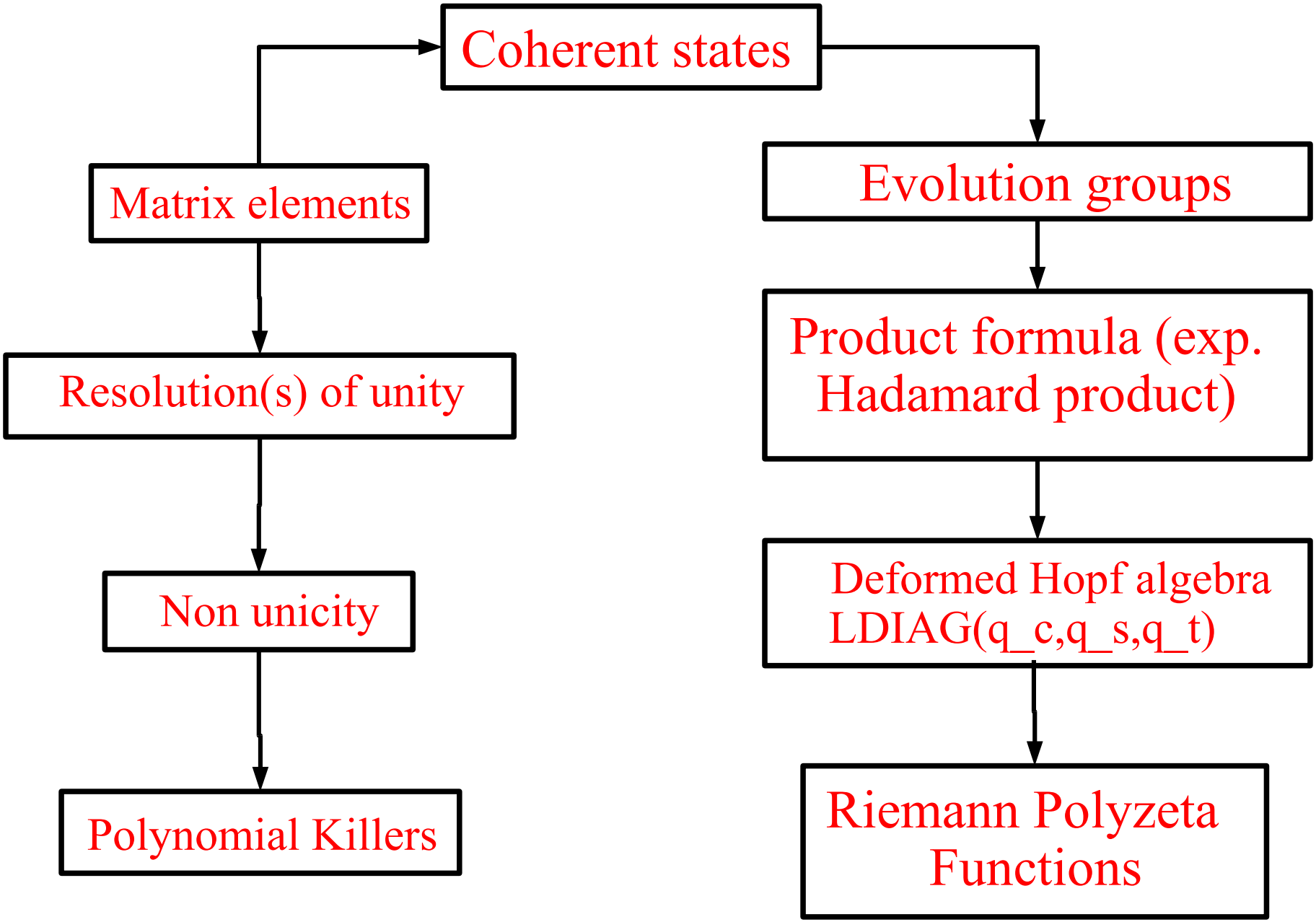
Resolution(s) of unity

$$I = \int_{\mathbb{C}} |z><z| d\mu(z)$$

$$1 =< n|I|n >= \int_{\mathbb{C}} W(|z|^2)| < n|z > |^2 dz = \pi \mathcal{N}(z)^{-1} \int_0^\infty W(r^2) \frac{(r^2)^n}{n!} d(r^2)$$

whence, with $(s = r^2)$

$$\pi \mathcal{N}(z) n! = \int_0^\infty W(s) s^n d(s)$$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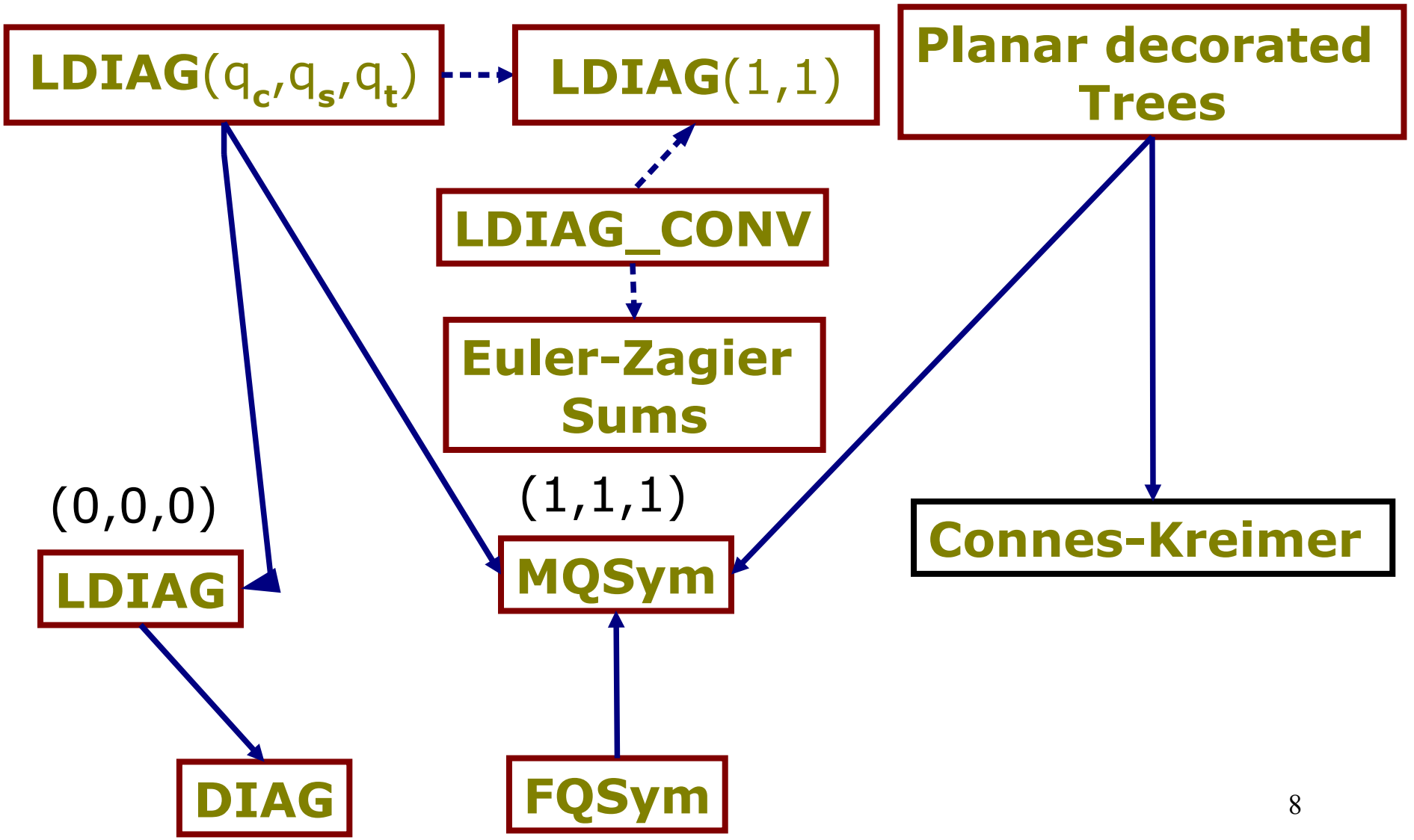
Images and Specializations



Merci

Thank you

Dziękuję

Danke schön