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**Ovidiu Costin\*** ([costin@math.ohio-state.edu](mailto:costin@math.ohio-state.edu)), Math Tower, 231 W 18th Ave, Columbus, OH 43210. *Transseries, trans-analyticity and trans-transseries.*

I will discuss the importance of transseries in analysis and dynamical systems, focusing on the way they are summed to obtain general solutions of ODEs, PDEs and difference equations. I will also sketch what lies beyond the realm of transseries. (Received September 21, 2010)