

**DISTRIBUTIONAL LIMITS OF POSITIVE, ERGODIC  
STATIONARY PROCESSES & INFINITE ERGODIC  
TRANSFORMATIONS**

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Abstract: Every random variable on the positive reals occurs as the distributional limit of the partial sums some positive, ergodic stationary process normalized by a 1-regularly varying normalizing sequence (and the process can be chosen over any ergodic probability preserving transformation).

I'll try to explain this and (time permitting) some consequences for infinite ergodic theory. Joint work with Benjamin Weiss.