

# Semiconjugacy to a map of a constant slope - new results

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In one-dimensional dynamical systems there is a well known theorem claiming that any continuous piecewise monotone interval map  $f$  with the positive topological entropy  $h(f)$  is semiconjugated to some piecewise affine map with the constant slope  $e^{h(f)}$  [6], [5], [1]. It is already known that analogous results remain true also for rich classes of Markov *countably* piecewise monotone continuous interval maps [4], [2]. Using the Vere-Jones classification of ergodic properties of infinite nonnegative matrices we prove new results in this direction [3].

## References

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