

A PROBABILISTIC APPROACH TO THE REDUITE IN OPTIMAL
STOPPING

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Abstract: In this work the approach to the reduite is made in a simple and unified way. More precisely, we use the same probabilistic technique to study the optimal stopping problem associated with the reduite, to prove the expression of the Snell envelope in terms of the reduite under very general assumptions, and to show continuity properties of the reduite. We finally describe the example of diffusion processes with jumps.

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