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A Semi-Explicit Approach to Canary Swaptions in HJM One-Factor Model

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Acknowledgments

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Notes

1. Bounded is too strong for the proof we use, some L^1 and L^2 conditions are enough, but as all the examples we present are bounded, we use this condition for simplicity.
2. See Hunt and Kennedy ([2000](#)) for the definition of a numeraire pair. Note that here we require that the bonds of all maturities are martingales for the numeraire pair (N, N) .
3. Matlab code available from the author.
4. There is nothing special about that date, except it is my sister's birthday!
5. As the second step is shorter (6m), the distance between points is also smaller and more than 4 or 1 first points are crossed.
6. It took 10 minutes to compute the distance between points with a precision of 100 steps to the tree.

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