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Simulated Annealing Cooling Schedules

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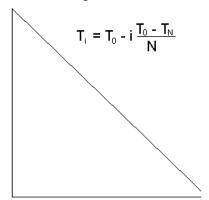
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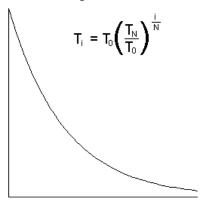
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Figure 1: Various cooling schedules that can be used with a Simulated Annealing optimization. T_i is the temperature for cycle i, where i increases from 0 to N. The initial and final temperatures, T_0 and T_N respectively, are determined by the user, as is N.

Cooling Schedule 0



Cooling Schedule 1



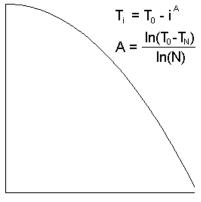
Cooling Schedule 2

$$T_{i} = \frac{A}{i+1} + B$$

$$A = \frac{(T_{0} - T_{N}) (N + 1)}{N}$$

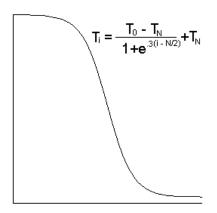
$$B = T_{0} - A$$

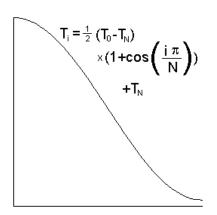
Cooling Schedule 3



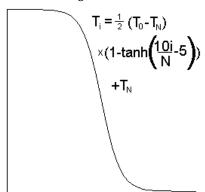
Cooling Schedule 4(sigmoid)

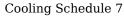
Cooling Schedule 5

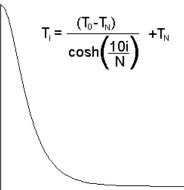




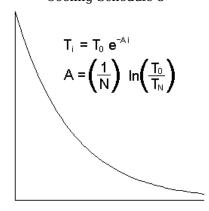
Cooling Schedule 6



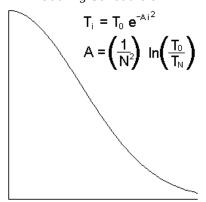




Cooling Schedule 8



Cooling Schedule 9



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