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A first look at optimal maintenance plans via reinforcement learning

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The availability of real-time data from processes and systems has shifted the focus of maintenance from preventive to condition-based and predictive maintenance. There is a very wide variety of maintenance policies depending on the system type, the available data and the policy selection method. Recently, reinforcement learning has been suggested as an approach to maintenance planning. We review the literature contributions in this area.

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Maintenance, reinforcement learning, optimal policy

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