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Step 1. Calculate the potential energy  $U$  of the

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*Energy Method for modeling conservative dynamic systems*

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the technical and economic conditions at play. Outputs may include the system feasibility, greenhouse gas emissions, cumulative financial costs, natural resource use, and energy efficiency of the system under investigation. A wide range of techniques are employed, ranging from broadly

*Energy modeling - Wikipedia*

In general, a condition of a linear system can be determined in terms of excitations  $x_n(t)$  and responses  $y_n(t)$ .  $x_1(t) + x_2(t) + \dots + x_n(t) = y_1(t) + y_2(t) + \dots + y_n(t)$  A system characterized by the relation  $y = x^2$  is not

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linear, because the superposition property is not satisfied. A system represented by the relation  $y=$ .

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