

Page References to the Four Laws and Five Equations of Economic Growth

1st Law – The perceived performance of a good or service at the moment of purchase is equal to its real price multiplied by the market’s competitive pressure.

2nd Law – GDP is equal to the adjusted sum of the perceived performances of all final goods and services.

3rd Law – The penetration of a good or service into a market occurs when its ratio of perceived performance to price equals the incumbent.

4th Law – Innovation in a product or service is equal to its perceived performance in its market divided by its unit cost of delivery.

1 st Law	$p=PQ$	p13
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2 nd Law	$GDP = \sum_{i=1}^N p_i^i U$	p39
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3 rd Law	$\frac{p_1}{P_1} = \frac{p_2}{P_2}$	p42
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4 th Law	Innovation = p/c	p44
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Leading to a True Productivity = $GDP(t) / iDe(t - \delta)$ that transcends all current productivities p67

(these pages appear in the research monograph [Innovation in Economics](#))