



Math for the people, by the people.

universal assumption

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| Canonical name | UniversalAssumption |
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| Synonym | universal hypothesis |
| Related topic | NecessaryAndSufficient |

Given a biconditional statement, a *universal assumption* is an assumption that can be used in a proof of both the necessity and sufficiency directions.

For an example of a universal assumption, please see the entry continuous functions on the extended real numbers.