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## residual

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| Canonical name   | Residual             |
| Date of creation | 2013-03-22 13:04:05  |
| Last modified on | 2013-03-22 13:04:05  |
| Owner            | mps (409)            |
| Last modified by | mps (409)            |
| Numerical id     | 7                    |
| Author           | mps (409)            |
| Entry type       | Definition           |
| Classification   | msc 54E52            |
| Related topic    | BaireCategoryTheorem |
| Related topic    | SardsTheorem         |
| Defines          | comeager             |

A subspace  $A$  of a topological space  $X$  is called *residual* (or *comeager*) if and only if it is second category and its complement  $X \setminus A$  is first category. Equivalently, a set is residual if and only if it contains a countable intersection of <http://planetmath.org/OpenSet> open dense sets.