

# inductively ordered\*

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2013-03-21 18:29:57

A partially ordered set  $A$  is *inductively ordered* iff every chain of elements of  $A$  has an upper bound in  $A$ .

**Examples.** The power set  $2^M$  of any set  $M$  is inductively ordered by the set inclusion; any finite set of integers is inductively ordered by divisibility.

Cf. inductive set.

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\**(InductivelyOrdered)* created: *(2013-03-21)* by: *(rspuzio)* version: *(36610)* Privacy setting: *(1)* *(Definition)* *(06A99)*

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