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Dongseok Kim, Young Soo Kwon, Jaeun Lee		< prev next >
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The number of topologies and non-homeomorphic topologies on a fixed finite set are now known up to \$n=18\$, \$n=16\$ but still no complete formula yet (Sloane). There are one to one correspondence among topologies, preorder and digraphs. In this article, we enumerate topologies and non- homeomorphic topologies whose underlying graph is a given finite graph. Comments: 2 figures Subjects: Combinatorics (math.CO); General Topology (math.GN) Cite as: arXiv:1206.0550 [math.CO] (or arXiv:1206.0550v1 [math.CO] for this version)		Change to browse b math math.GN
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