

MR873596 (88a:08014) [08B15](#) [03C05](#) [06B15](#)**Lampe, William A.****A property of the lattice of equational theories.***Algebra Universalis* **23** (1986), *no. 1*, 61–69.

Let $L(\Sigma)$ denote the lattice of all equational theories that extend an equational theory Σ . The main result states that the lattice L of all equational theories in a fixed similarity type has the property that for each $c, z \in L$ and any family a_i ($i \in I$) of elements in L , if $a_i \wedge c = z$ for each $i \in I$ and $\bigvee \{a_i : i \in I\} = 1$, then $c = z$. As a corollary it follows that no tight lattice is isomorphic to a lattice $L(\Sigma)$. In particular, the height 2 lattice M_n having n atoms is not isomorphic to an $L(\Sigma)$ for $n \geq 3$. *S. Comer*