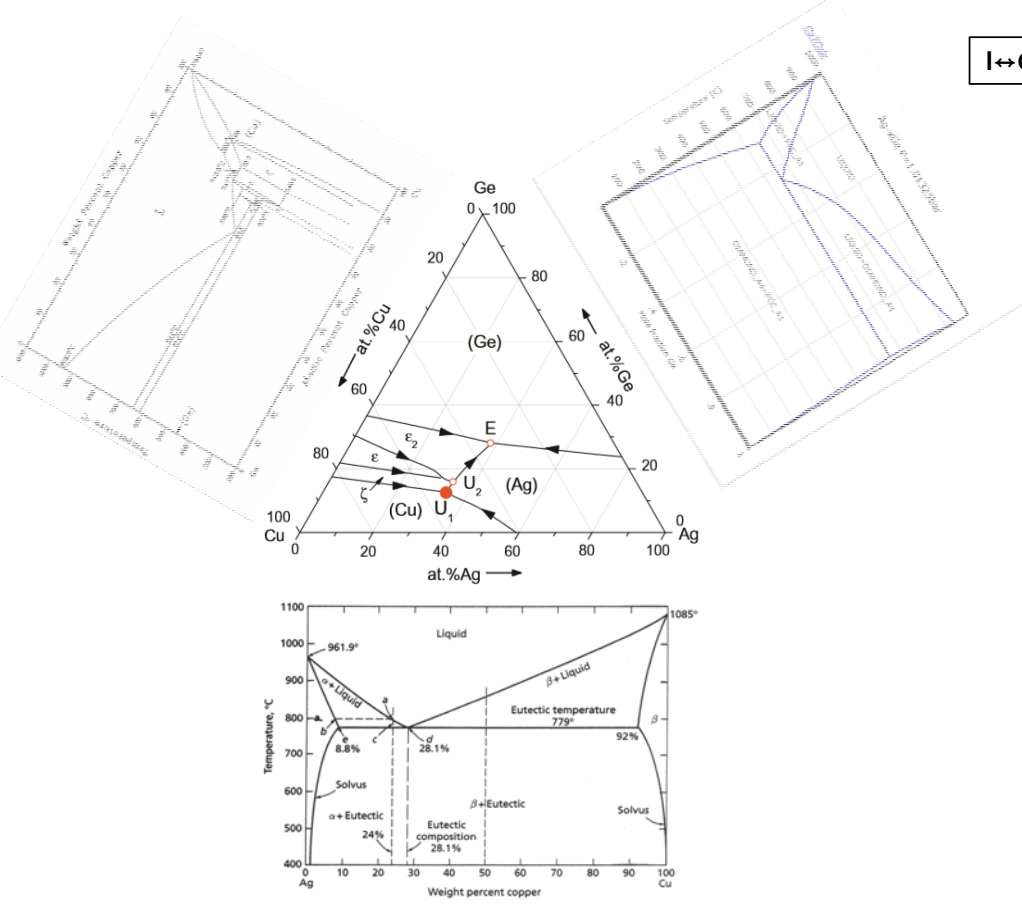


# HW10\_Tabular representation of the ternary equilibria in real system

Ternary and binary phase diagram of Cu-Ag-Ge



Cu-Ag	Ternary	Cu-Ge	Ag-Ge
$L \leftrightarrow Cu + Ag$		$L + Cu \leftrightarrow \xi$	
	$L + Cu \leftrightarrow Ag + \xi$	$L + \xi \leftrightarrow \epsilon$ $L + \epsilon \leftrightarrow \epsilon_2$	
	$Cu + Ag + \xi$ $L \leftrightarrow Ag + \xi$	$L + \epsilon \leftrightarrow \xi + \epsilon_2$	
		$\epsilon + \xi + \epsilon_2$ $L \leftrightarrow \xi + \epsilon_2$	
	$L + \xi \leftrightarrow Ag + \epsilon_2$		
	$\xi + Ag + \epsilon_2$ $L \leftrightarrow Ag + \epsilon_2$	$L \leftrightarrow Ge + \epsilon_2$	$L \leftrightarrow Ag + Ge$
	$L \leftrightarrow Ge + Ag + \epsilon_2$		
	$Ge + Ag + \epsilon_2$		

Ref. Y. Ruan et. Al., "Pseudobinary eutectics in Cu-Ag-Ge alloy droplets under containerless condition", J. Alloy. Compd. 25, 85-90 (2013).