

Graph class	Lower bound	Complexity	Approximability	References
All graphs	$\Theta(\log(n))$	NP-c	log-APX-hard	
Chordal	$\Theta(\log(n))$	NP-c	log-APX-hard	
Split graphs	$\Theta(\log(n))$	NP-c	log-APX-hard	
Bipartite	$\Theta(\log(n))$	NP-c	log-APX-hard	
Co-bipartite	$\Theta(\log(n))$	NP-c	log-APX-hard	
Claw-free	$\Theta(\log(n))$	NP-c	log-APX-hard	
Interval	$\Theta(n^{1/2})$	NP-c	open	
Unit interval	$\Theta(n)$	open	PTAS	
Permutation	$\Theta(n^{1/2})$	NP-c	open	
Line graphs	$\Theta(n^{1/2})$	NP-c	APX(4)	
Planar	$\Theta(n)$	NP-c	APX(7)	