Amazon - Cumulative Regret Variations Over Parameter CBSCFD m=50 2000 CBRAP k=200 ConfidenceBall1\_FJLT\_k=200 SOFUL\_2m\_m=50 1500 **Cumulative Regret** 1000 500 0 10<sup>-8</sup>  $10^{-10}$  $10^{-6}$  $10^{-4}$  $10^{-2}$  $10^{0}$ lam