FINGERS: Exploiting the fine - grained parallelism in Graph Mining Accelerators Graph Mining - Emerging domain, high time complexity => Hardware accelerators needed, But, dont utilize parallelism well. SOTA model uses only coarse - grained parallelism Authors propose new fine level parallelism - branch level, set level, segment level propose FINGERS, a new HA, that gives 2.8 X speedup over SoTA model. Pattern Oblivious Graph Mining frameworks ? Pattern aware PE (processing elements) - underutilized, inefficient resource provision. 3 finer levels , segment PE within each a new vertex to the current helps to embedding schedule performs set computation all three

controlled by a toad table, which determines # segments that can be run by a single IU.