Today’s Paper

• What are "traces"?
  ■ Extended basic blocks (sequential instructions with single entry (at top), and multiple exits (out the sides))

• What does "mixed-mode" mean in TraceMonkey?
  ■ Instructions are first interpreted then bytecode sequences are compiled together to native code when/if determined hot

• What does it mean for a loop to be "type-stable"?
  ■ The types of the objects that the variables in the loop reference do not change (are invariant) across iterations of the loop

• How many iterations do they use to say that a loop is "hot"?
  >2 (becomes hot on 2\textsuperscript{nd} iteration)