

**Micro Bench for Akka:**

Done on JDK 1.7

1.7

Java on Local

**@100 iterations** $(184 + 182 + 182 + 188 + 185) / 5$ 

184.2

**@1000 iterations** $(188 + 188 + 187 + 190 + 189) / 5$ 

188.4

**@5000 iterations** $(189 + 192 + 193 + 190 + 193) / 5$ 

191.4

Typed Actors

Scala running on the robot using remote actor (nao.local)

**@100 iterations** $(17 + 21 + 22) / 3$ 

20

**@1000 iterations** $(32 + 34 + 41) / 3$ 

35.667

**@5000 iterations**

Timeout !?

Typed Actors

Scala running on the robot using local actor

**@100 iterations** $(91 + 96 + 92) / 3$ 

93

**@1000 iterations** $(109 + 108 + 11) / 3$ 

76

**@5000 iterations** $(133 + 134 + 136) / 3$ 

134.333

Typed **Average** =  $(93 + 76 + 134.333) / 3$ 

101.111

UnTyped Actors

Scala running on the robot using local acotr

**@100 iterations** $(113 + 116 + 115) / 3$ 

114.667

**@1000 iterations**

$$(143 + 143 + 143)/3$$

143

**@5000 iterations**

$$(165 + 166 + 167)/3$$

166

UnTyped **Average** = ( 114.667 + 143 + 166 ) / 3

141.222

Typed Actor is 101.111 as % decrease of 141.222

-164.5%