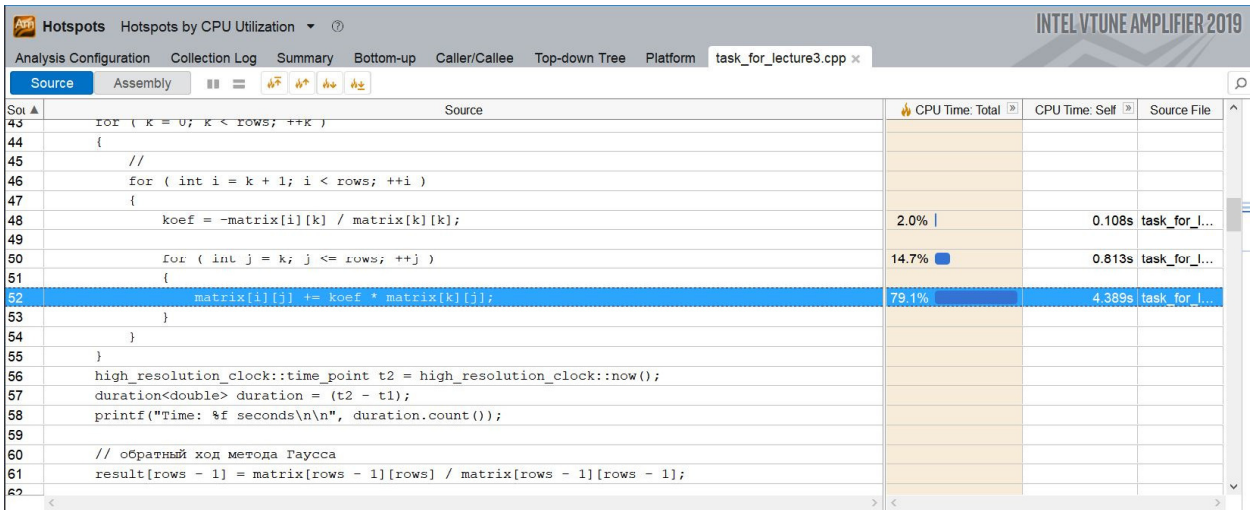
2. Проверка работы последовательного метода Гаусса:

```
Time: 0.000001 seconds

Solution:
x(0) = 1.000000
x(1) = 2.000000
x(2) = 2.000000
x(3) = -0.000000
```

Решение верное (проверено в ручную).

3. Скриншоты Amplifier:



Top Hotspots

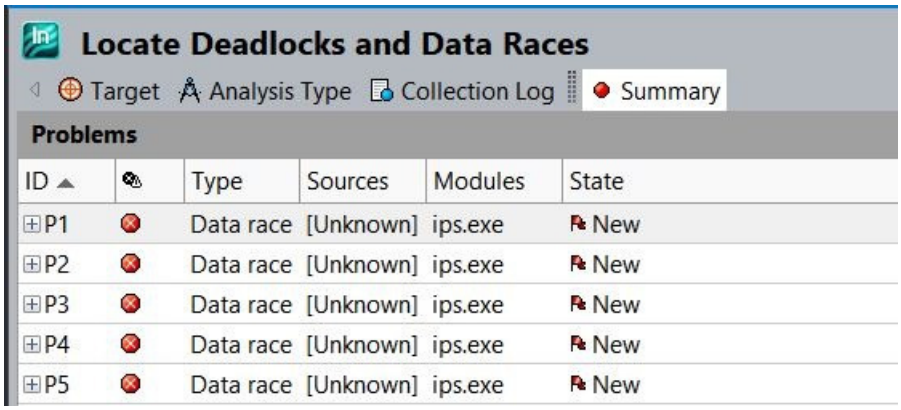
This section lists the most active functions in your application. Optimizing these hotspot functions typically results in improving overall application performance.

Function	Module	Module	CPU Time
SerialGaussMethod	IPS.exe	IPS.exe	5.321s
rand	ucrtbased.dll	ucrtbased.dll	0.203s
InitMatrix	IPS.exe	IPS.exe	0.020s
malloc	ucrtbased.dll	ucrtbased.dll	0.006s

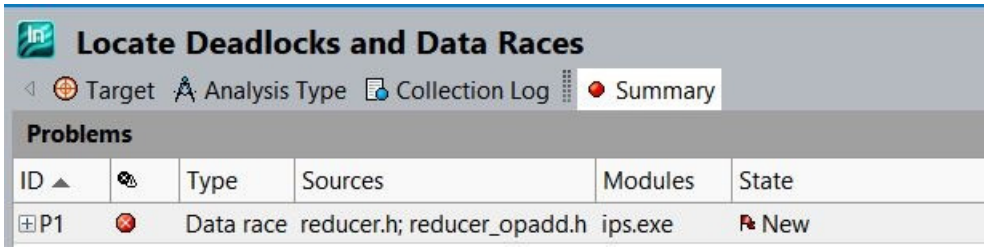
**N/A is applied to non-summable metrics.*

4. Скриншоты Inspector:

До:



После:



5. Проверка работы параллельного метода Гаусса:

```
Time: 0.000001 seconds

Solution:
x(0) = 1.000000
x(1) = 2.000000
x(2) = 2.000000
x(3) = -0.000000
```

Сравнение времени выполнения последовательного и параллельного метода Гаусса, расчёт ускорения:

```
Time serial: 2.804806 seconds

Time parallel: 2.164998 seconds

Compare time: 1.295524 seconds
```

Ссылка на **github**: https://github.com/u131231/IPS_lab2