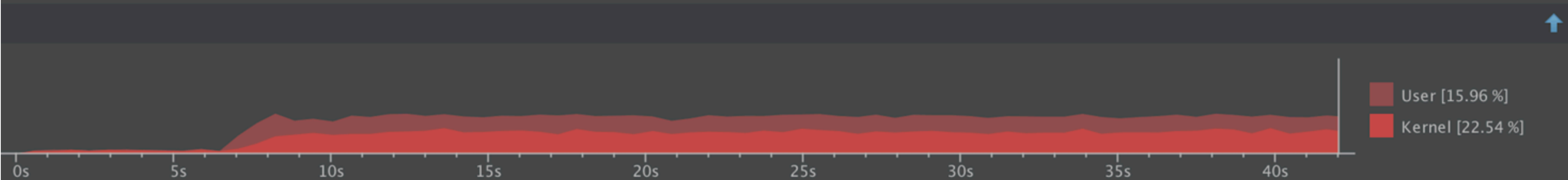
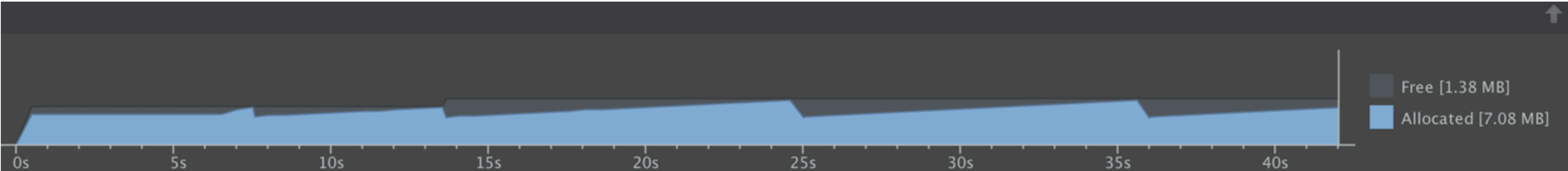
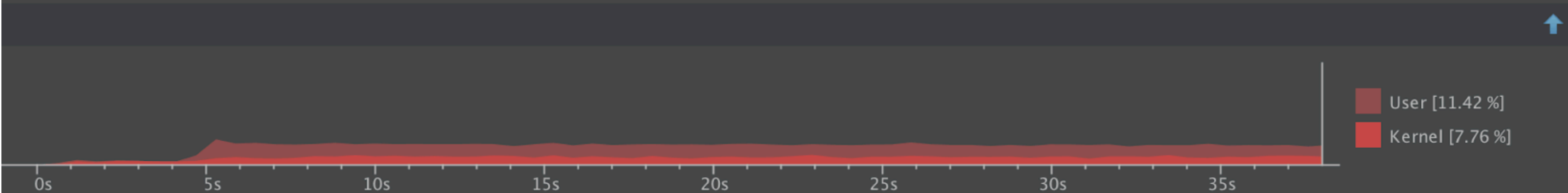
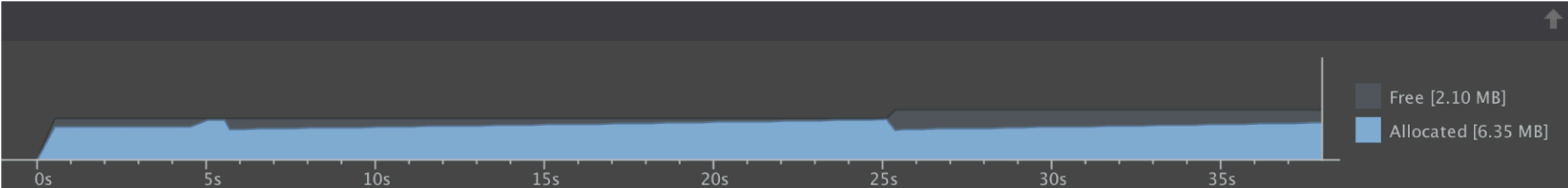


内存抖动优化实例

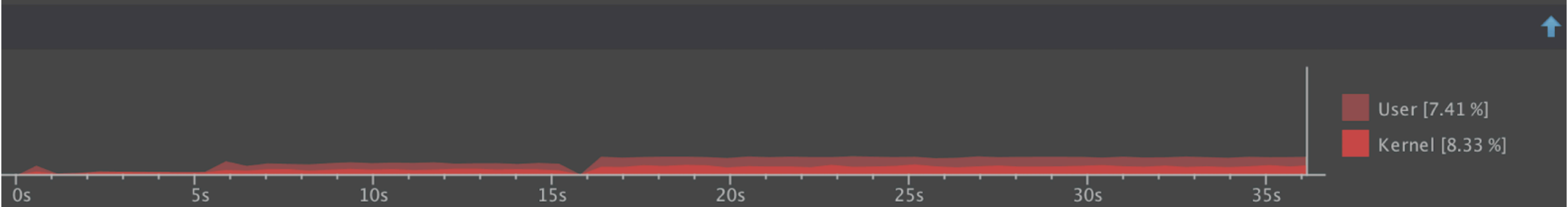
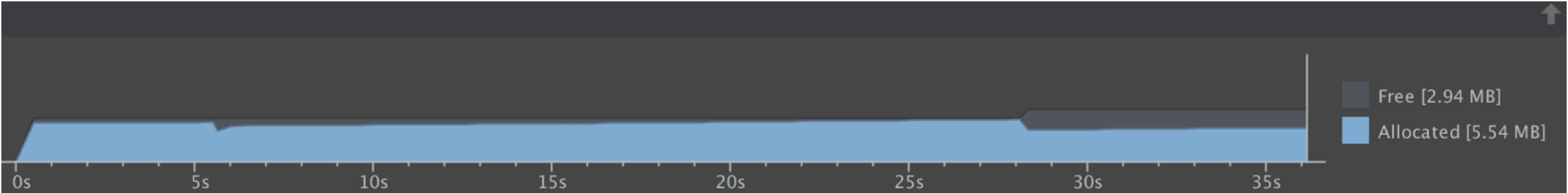


Method	Count	Total Size
▼ < Thread 4829 >	28206 (43.04%)	1006208 (41.76%)
▼ run():847, MediaCodecVideoEncoder\$2 (org.webrtc)	28206 (43.04%)	1006208 (41.76%)
▼ access\$200():37, MediaCodecVideoEncoder (org.webrtc)	28206 (43.04%)	1006208 (41.76%)
▼ deliverEncodedImage():855, MediaCodecVideoEncoder (org.webrtc)	26980 (41.17%)	863360 (35.83%)
android.media.MediaCodec\$BufferInfo	26980 (41.17%)	863360 (35.83%)
▶ deliverEncodedImage():896, MediaCodecVideoEncoder (org.webrtc)	15 (0.02%)	82032 (3.40%)
▶ deliverEncodedImage():905, MediaCodecVideoEncoder (org.webrtc)	822 (1.25%)	32880 (1.36%)
▶ deliverEncodedImage():882, MediaCodecVideoEncoder (org.webrtc)	279 (0.43%)	17856 (0.74%)
▶ deliverEncodedImage():893, MediaCodecVideoEncoder (org.webrtc)	65 (0.10%)	7320 (0.30%)
▶ deliverEncodedImage():890, MediaCodecVideoEncoder (org.webrtc)	35 (0.05%)	2480 (0.10%)
▶ deliverEncodedImage():901, MediaCodecVideoEncoder (org.webrtc)	10 (0.02%)	280 (0.01%)
▼ < Thread 4828 >	26787 (40.87%)	960416 (39.86%)
▼ run():847, MediaCodecVideoEncoder\$2 (org.webrtc)	26787 (40.87%)	960416 (39.86%)
▼ access\$200():37, MediaCodecVideoEncoder (org.webrtc)	26787 (40.87%)	960416 (39.86%)
▼ deliverEncodedImage():855, MediaCodecVideoEncoder (org.webrtc)	25491 (38.90%)	815712 (33.86%)
android.media.MediaCodec\$BufferInfo	25491 (38.90%)	815712 (33.86%)
▶ deliverEncodedImage():905, MediaCodecVideoEncoder (org.webrtc)	826 (1.26%)	69864 (2.90%)
▶ deliverEncodedImage():896, MediaCodecVideoEncoder (org.webrtc)	15 (0.02%)	42160 (1.75%)
▶ deliverEncodedImage():882, MediaCodecVideoEncoder (org.webrtc)	280 (0.43%)	17920 (0.74%)
▶ deliverEncodedImage():893, MediaCodecVideoEncoder (org.webrtc)	65 (0.10%)	7320 (0.30%)
▶ deliverEncodedImage():901, MediaCodecVideoEncoder (org.webrtc)	75 (0.11%)	4960 (0.21%)
▶ deliverEncodedImage():890, MediaCodecVideoEncoder (org.webrtc)	35 (0.05%)	2480 (0.10%)
▶ < Thread 4750 >	8715 (13.30%)	360080 (14.95%)
▶ < Thread 4751 >	1258 (1.92%)	64384 (2.67%)
▶ < Thread 4753 >	277 (0.42%)	8864 (0.37%)
▶ < Thread 4752 >	275 (0.42%)	8800 (0.37%)
▶ < Thread 4756 >	14 (0.02%)	528 (0.02%)
▶ < Thread 4536 >	3 (0.00%)	72 (0.00%)



▼ m onTextureFrameAvailable():277, Camera1Session\$2 (org.webrtc)	6795 (23.14%)	275424 (19.58%)
▼ m onTextureFrameCaptured():212, CameraCapturer\$2 (org.webrtc)	6795 (23.14%)	275424 (19.58%)
▼ m onTextureFrameCaptured():67, VideoSource\$1 (com.github.piasy.videosource)	6342 (21.60%)	268176 (19.06%)
▼ m onTextureFrameCaptured():60, VideoSink (com.github.piasy.videosource)	3624 (12.34%)	202944 (14.43%)
▶ m d():157, Logging (org.webrtc)	1812 (6.17%)	105096 (7.47%)
▶ m append():133, StringBuilder (java.lang)	453 (1.54%)	36240 (2.58%)
▶ m toString():408, StringBuilder (java.lang)	453 (1.54%)	32616 (2.32%)
▶ m <init>():86, StringBuilder (java.lang)	453 (1.54%)	21744 (1.55%)
▶ java.lang.StringBuilder	453 (1.54%)	7248 (0.52%)
▶ m onTextureFrameCaptured():68, VideoSink (com.github.piasy.videosource)	1812 (6.17%)	28992 (2.06%)
▶ m onTextureFrameCaptured():65, VideoSink (com.github.piasy.videosource)	453 (1.54%)	25368 (1.80%)
▶ m onTextureFrameCaptured():67, VideoSink (com.github.piasy.videosource)	453 (1.54%)	10872 (0.77%)
▶ m onTextureFrameCaptured():69, VideoSource\$1 (com.github.piasy.videosource)	453 (1.54%)	7248 (0.52%)
▶ m onTextureFrameAvailable():265, Camera1Session\$2 (org.webrtc)	904 (3.08%)	14464 (1.03%)

▼ < Thread 24092 >	6141 (20.91%)	370272 (26.32%)
▼ run():848, MediaCodecVideoEncoder\$2 (org.webrtc)	6141 (20.91%)	370272 (26.32%)
▼ access\$200():37, MediaCodecVideoEncoder (org.webrtc)	6141 (20.91%)	370272 (26.32%)
▼ deliverEncodedImage():897, MediaCodecVideoEncoder (org.webrtc)	21 (0.07%)	139936 (9.95%)
▶ allocateDirect():240, ByteBuffer (java.nio)	14 (0.05%)	139488 (9.92%)
▶ allocateDirect():241, ByteBuffer (java.nio)	7 (0.02%)	448 (0.03%)
▼ deliverEncodedImage():856, MediaCodecVideoEncoder (org.webrtc)	4167 (14.19%)	133344 (9.48%)
android.media.MediaCodec\$BufferInfo	4167 (14.19%)	133344 (9.48%)
▶ deliverEncodedImage():906, MediaCodecVideoEncoder (org.webrtc)	1344 (4.58%)	53760 (3.82%)
▶ deliverEncodedImage():883, MediaCodecVideoEncoder (org.webrtc)	455 (1.55%)	29120 (2.07%)
▶ deliverEncodedImage():894, MediaCodecVideoEncoder (org.webrtc)	91 (0.31%)	10248 (0.73%)
▶ deliverEncodedImage():891, MediaCodecVideoEncoder (org.webrtc)	49 (0.17%)	3472 (0.25%)
▶ deliverEncodedImage():902, MediaCodecVideoEncoder (org.webrtc)	14 (0.05%)	392 (0.03%)
▼ < Thread 24091 >	6188 (21.07%)	323496 (23.00%)
▼ run():848, MediaCodecVideoEncoder\$2 (org.webrtc)	6188 (21.07%)	323496 (23.00%)
▼ access\$200():37, MediaCodecVideoEncoder (org.webrtc)	6188 (21.07%)	323496 (23.00%)
▼ deliverEncodedImage():856, MediaCodecVideoEncoder (org.webrtc)	4126 (14.05%)	132032 (9.39%)
android.media.MediaCodec\$BufferInfo	4126 (14.05%)	132032 (9.39%)
▼ deliverEncodedImage():897, MediaCodecVideoEncoder (org.webrtc)	21 (0.07%)	71664 (5.09%)
▶ allocateDirect():240, ByteBuffer (java.nio)	14 (0.05%)	71216 (5.06%)
▶ allocateDirect():241, ByteBuffer (java.nio)	7 (0.02%)	448 (0.03%)
▼ deliverEncodedImage():906, MediaCodecVideoEncoder (org.webrtc)	1342 (4.57%)	70024 (4.98%)
▶ slice():151, DirectByteBuffer (java.nio)	447 (1.52%)	28608 (2.03%)
▶ onEncodedFrame():69, HwAvcEncoder (com.github.piasy.videosource)	1 (0.00%)	16384 (1.16%)
org.webrtc.MediaCodecVideoEncoder\$OutputBufferInfo	447 (1.52%)	14304 (1.02%)
▶ onEncodedFrame():68, HwAvcEncoder (com.github.piasy.videosource)	447 (1.52%)	10728 (0.76%)
▶ deliverEncodedImage():883, MediaCodecVideoEncoder (org.webrtc)	454 (1.55%)	29056 (2.07%)
▶ deliverEncodedImage():894, MediaCodecVideoEncoder (org.webrtc)	91 (0.31%)	10248 (0.73%)
▶ deliverEncodedImage():902, MediaCodecVideoEncoder (org.webrtc)	105 (0.36%)	7000 (0.50%)
▶ deliverEncodedImage():891, MediaCodecVideoEncoder (org.webrtc)	49 (0.17%)	3472 (0.25%)



<https://github.com/Piasy/VideoCARE/commit/e48d49b20205fb80e2a0a9602269f4cd4e2369>

一分钟内存分配: 2.49MB \rightarrow 0.23MB, 优化为 9.2%

内存抖动优化实例

一分钟内存分配：2.49 MB -> 0.23 MB，优化为 9.2%

Thanks!

Q&A