Euler's collinear solution to three-body problem in GR

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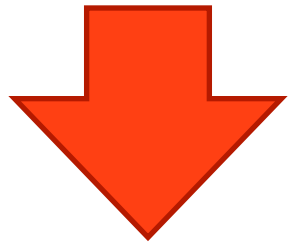
INTRODUCTION

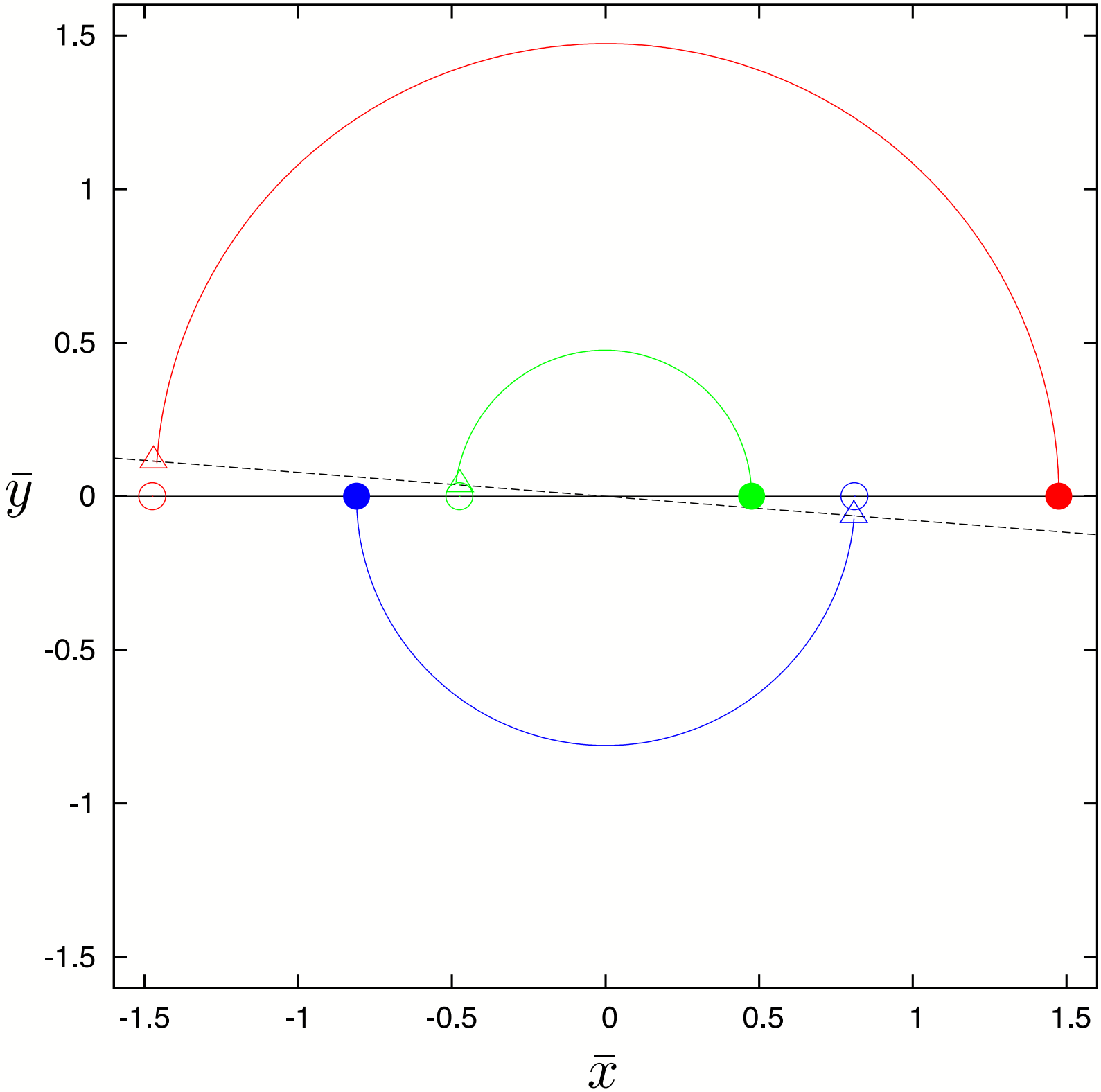
- Euler's collinear solution at Newton order (L1 , L2 , L3)



- What happens at the first post-Newtonian order ?

CONCLUSION

- Euler's collinear solution exists also at 1PN in GR.


1.5
1
0.5
0
-0.5
-1
-1.5
$\bar{y}$
-1.5
-1
-0.5
0
0.5
1
1.5
$\bar{x}$

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Thank you for your attention