Re: [ergysr/DeepCC] Without Gurobi, is BIPCC used? (#63)

2 messages

ergysr <notifications@github.com> 26 February 2019 at 03:52
Reply-To: ergysr/DeepCC
<reply+00521a7be543e44137308b8db64fe06bd7e1cf258076984192cf00000001188c099292a169ce18afdfde@reply.github.com>
To: ergysr/DeepCC <DeepCC@noreply.github.com>
Cc: Nickson Yap <hi@nickson.me>, Mention <mention@noreply.github.com>

@NicksonYap, there is no good answer to this, which makes it an interesting research question.

On one hand an optimal solver like BIPCC is quite useful when the features are noisy. If the features were perfect, greedy matching would also work. On the other hand, at least for this code, plugging in the KL solver is OK for tracklets, but negatively affects performance for single- and multi-camera tracking because KL has no accuracy guarantees, so BIPCC is the default.

There is other work that uses simpler hierarchical clustering with strong features and does equally well. This suggests that with a more careful implementation good performance is also possible. Currently I'm not aware of a systematic study about the role of optimization in MTMCT.

—
You are receiving this because you were mentioned.
Reply to this email directly, view it on GitHub, or mute the thread.

---

ergysr <notifications@github.com> 12 March 2019 at 06:05
Reply-To: ergysr/DeepCC
<reply+00521a7b6dc227fbfa2c0168f1f29187fc2e22991d24d50f92cf00000001189e9d9c92a169ce18afdfde@reply.github.com>
To: ergysr/DeepCC <DeepCC@noreply.github.com>
Cc: Nickson Yap <hi@nickson.me>, Mention <mention@noreply.github.com>

Closed #63.

[Quoted text hidden]