**测量部署模型方面：**对网络全局的测量，除测量算法以外，还需考虑测量方案和测量部署模型。目前，带内网络遥测领域还主要集中于遥测方案设计方面，代表性方法如下：文献[24]提出适用于无线传感器网的带内网络遥测方案，认为遥测模式下带宽开销问题不可回避；文献[25]提出了NetVision带内网络遥测平台，设计了自定义的遥测原语，支持按需获取遥测数据，并采用段路由的方式获取网络测量信息；文献[26]基于对流量变化程度等因素的考虑，研究了带内网络遥测数据过滤机制，有效减少了带内网络遥测数据存储数量，降低了遥测服务器负载；文献[27]参考段路由标签机制，研究了带内网络遥测路径规划问题；华为提出了iFIT遥测框架，由测量流数目智能选择、基于网络状态的动态采样方法和事件驱动的结果输出三个部分组成[28]；文献[29]针对网络往返性能提出了ProgLIMI测量方案，以最小化测量点和流规则的数量，研究了测量点部署、测量路径及流规则等问题；文献[30]利用整数规划模型，研究了网络全局监测需求下最小化遥测流量的问题。在具有一般性意义的测量模型部署方面，文献[31]将网络拓扑划分为多个图组件，研究在图组件内部和图组件间如何部署监控器的问题；文献[32]研究了可预测和不可预测链路故障时测量部署算法。**综上，带内网络遥测部署模型是目前研究的热点，但在动态网络拓扑环境下，如何对重要点（汇聚、核心节点）和重要边进行遴选和测量的研究较少。**

[24] Abdulkadir Karaagac, Eli De Poorter, Jeroen Hoebeke. In-Band Network Telemetry in Industrial Wireless Sensor Networks[J]. IEEE Transactions on Network and Service Management, 2020, 17(1): 517-531.

[25] 刘争争, 毕军, 周禹, 王旸旸, 林耘森箫. 基于P4的主动网络遥测机制[J]. 通信学报, 2018, 39(S1): 168-175.

[26] Nguyen Van Tu, Jonghwan Hyun, Ga Yeon Kim, Jae Hyoung Yoo, James Won Ki Hong. INTCollector: A High-Performance Collector for In-Band Network Telemetry[C]. 2018 14th International Conference on Network and Service Management, 2018: 10-18.

[27] Tian Pan, Enge Song, Zizheng Bian, Xingchen Lin, Xiaoyu Peng, Jiao Zhang, Tao Huang, Bin Liu, Yunjie Liu. INT-Path: Towards Optimal Path Planning for In-Band Network-Wide Telemetry[C]. 2019 IEEE Conference on Computer Communications, 2019: 487-495.

[28] Bo Lu, Ling Xu, Yuezhong Song, Longfei Dai, Min Liu, Tianran Zhou, Zhenbin Li, Haoyu Song. IFIT: Intelligent Flow Information Telemetry[C]. The ACM SIGCOMM 2019 Conference Posters and Demos, 2019: 15-17.

[29] Xiong Wang, Mehdi Malboubi, Zhihao Pan, Jing Ren, Sheng Wang, Shizhong Xu. ProgLIMI: Programmable Link Metric Identification in Software-Defined Networks[J]. IEEE/ACM Transactions on Networking, 2018, 26(5): 2376-2389.

[30] Jonatas Adilson Marques, Marcelo Caggiani Luizelli, Roberto Iraja Tavares da Costa Filho, Luciano Paschoal Gaspary. An Optimization-Based Approach for Efficient Network Monitoring Using In-Band Network Telemetry[J]. Journal of Internet Services and Applications, 2019, 10(1): 1-20.

[31] Wei Dong, Yi Gao, Wenbin Wu, Jiajun Bu, Chun Chen, Xiangyang Li. Optimal Monitor Assignment for Preferential Link Tomography in Communication Networks[J]. IEEE/ACM Transactions on Networking, 2017, 25(1): 210-223.

[32] Huikang Li, Yi Gao, Wei Dong, Chun Chen. Taming Both Predictable and Unpredictable Link Failures for Network Tomography[J]. IEEE/ACM Transactions on Networking, 2018, 26(3): 1460-1473.