Directed diffusion (DD) is typical data-centric protocol for wireless sensor networks, all nodes in a directed diffusion based network are application-aware, and this enables diffusion to achieve energy savings by selecting empirically good paths and by caching and processing data in-network. But at the beginning of routing being established, interest must be flooded throughout the network, Directed Diffusion Protocol (DDP) which could meet the features of WSN, such as data-oriented, many-to-one transmissions and low energy costs, together with data aggregation mechanisms which emphasized on cascading timeouts, to eliminate the redundancy caused by the transmission of large amounts of data. This paper presents the description of DD protocol and current developments including the view for which one is best.

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