

following communication modes;

- many-to-many
- one-to-many

The multicasting mechanism is based on the reflector, which allows multi-party connections. See Figure 2 on the connection based on the reflector.

CU-SeeMe can be combined with MBone to offer broader coverage of users globally. There are many more video conferencing systems for the Internet. See [Satter] or others for the listing.

Many online service providers use video distribution softwares for one-to-many video delivery; both real-time and non-real-time traffic. Mirroring of contents and large number of dialup ports provide multicasting capability.

There are various interactive multimedia applications based on the above Internet multicasting systems. They can be classified by the contents; video, audio, document. See [Kumar], [Scatter], [Weiss] and others for the listing.

The current research and development on the multicasting in the Internet includes

- (1) Higher resolution and speeds
- (2) Three dimension and virtual reality
- (3) Quality of services

(4) Conference control

(5) Scalability

Many of the above topics are discussed at Internet Engineering Task Force(IETF), and are standardized for the Internet. Various documents including the standards are delivered as Request For Comment(RFC).[IETF]

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Major MBONE Routers and Links

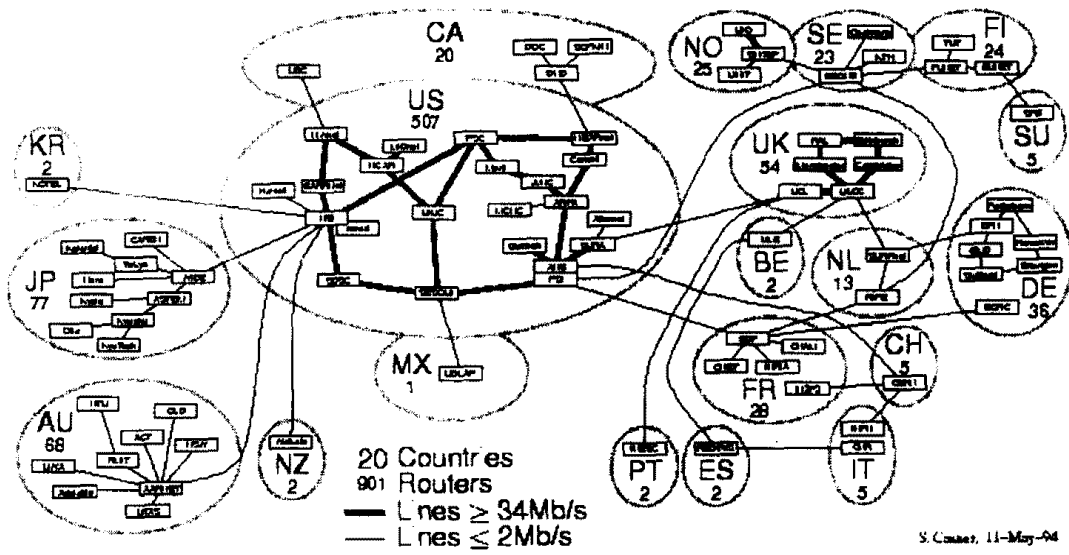


Figure 1. MBone Topology

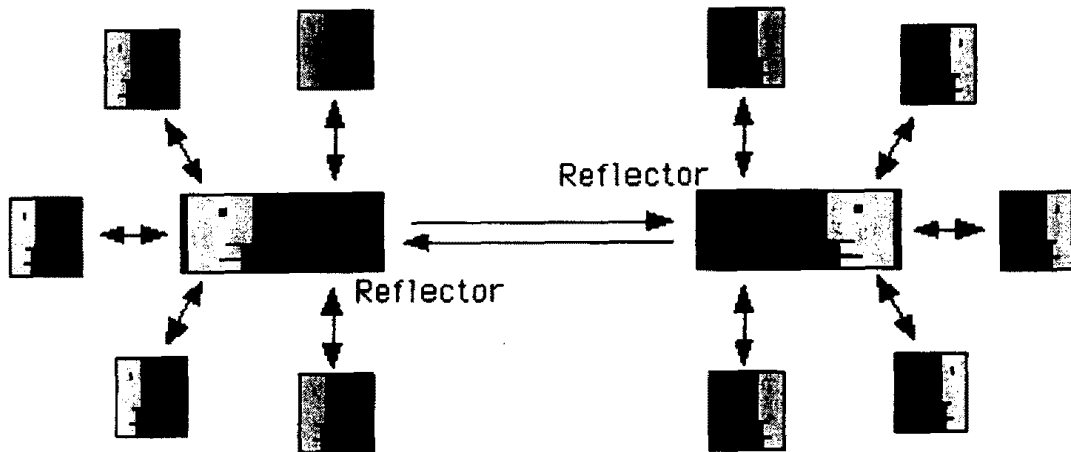


Figure 2. CU-SeeMe Reflector