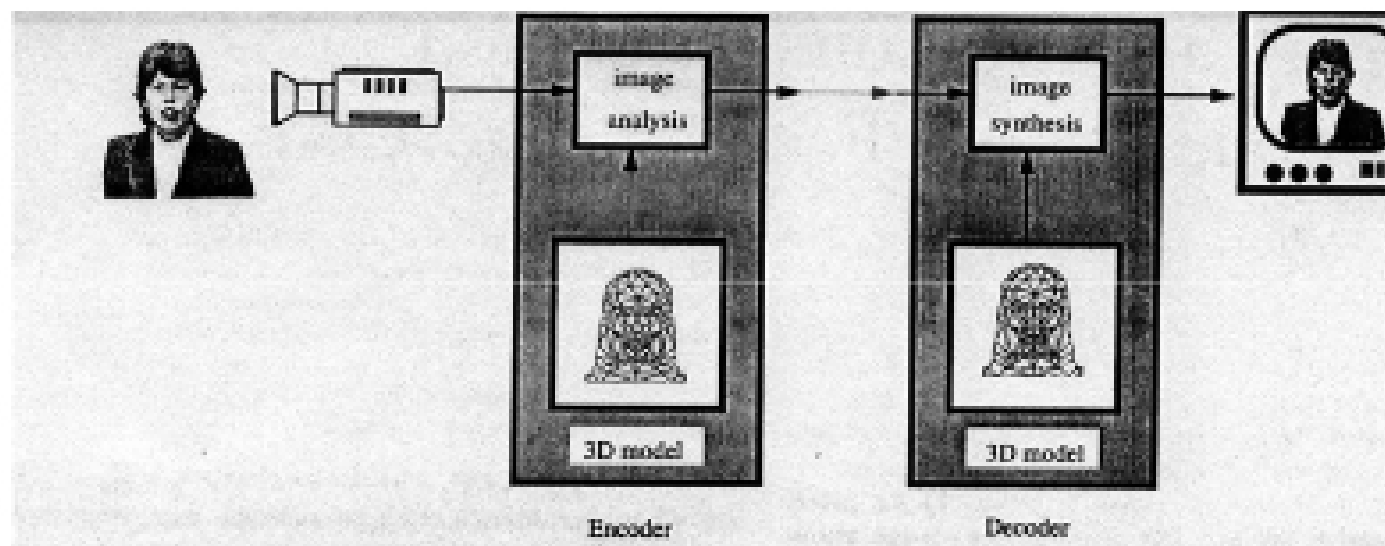


Lecture-12

Model-base Video Compression Li, Teklap

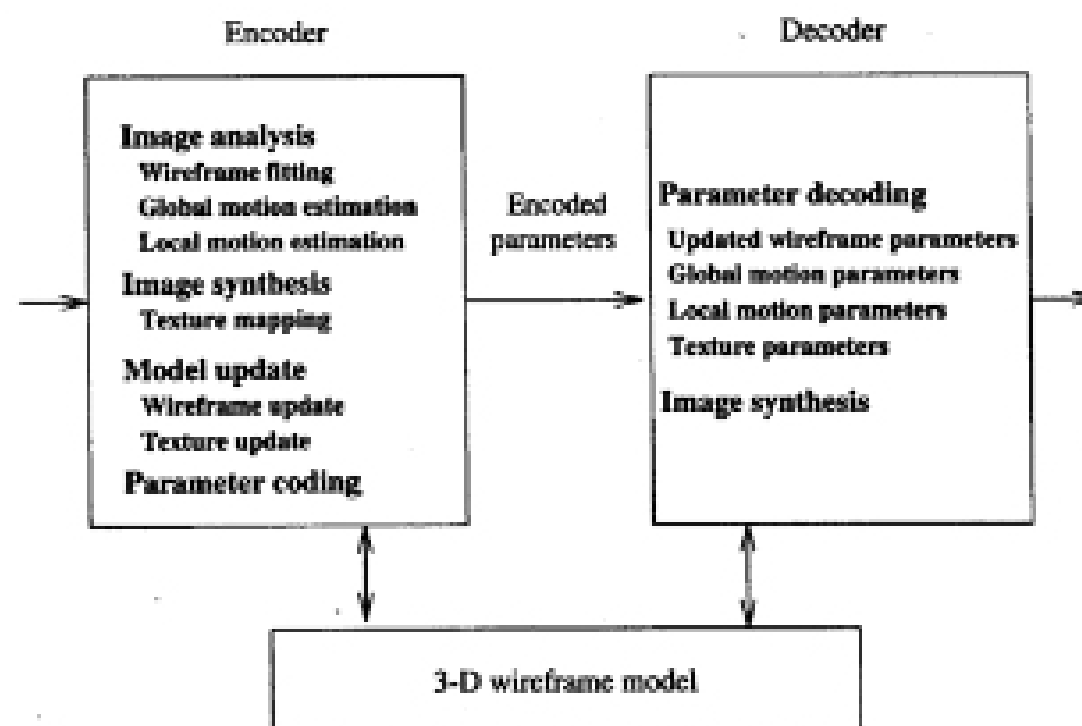
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Model-Based Image Coding



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Model-Based Image Coding



Model-Based Image Coding

- The transmitter and receiver both possess the same 3D face model and texture images.
- During the session, at the transmitter the facial motion parameters: global and local, are extracted.
- At the receiver the image is synthesized using estimated motion parameters.
- The difference between synthesized and actual image can be transmitted as residuals.

Candide Model

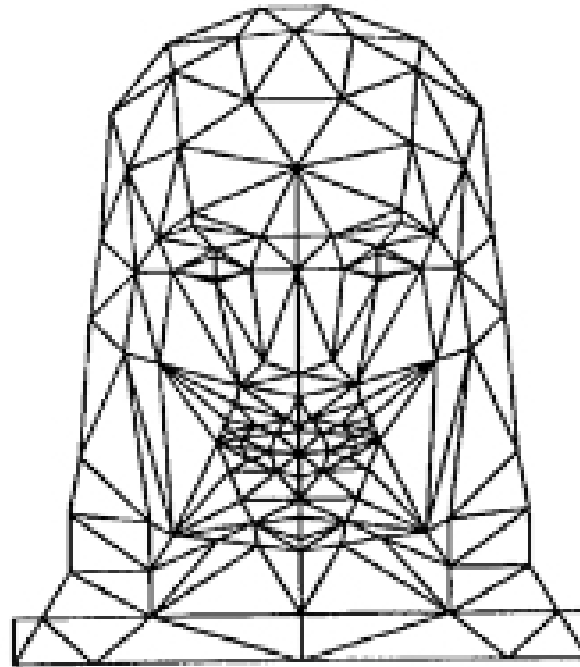


Fig. 2. Wire-frame model of the face.

[./CANDIDE.HTM](#)

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