

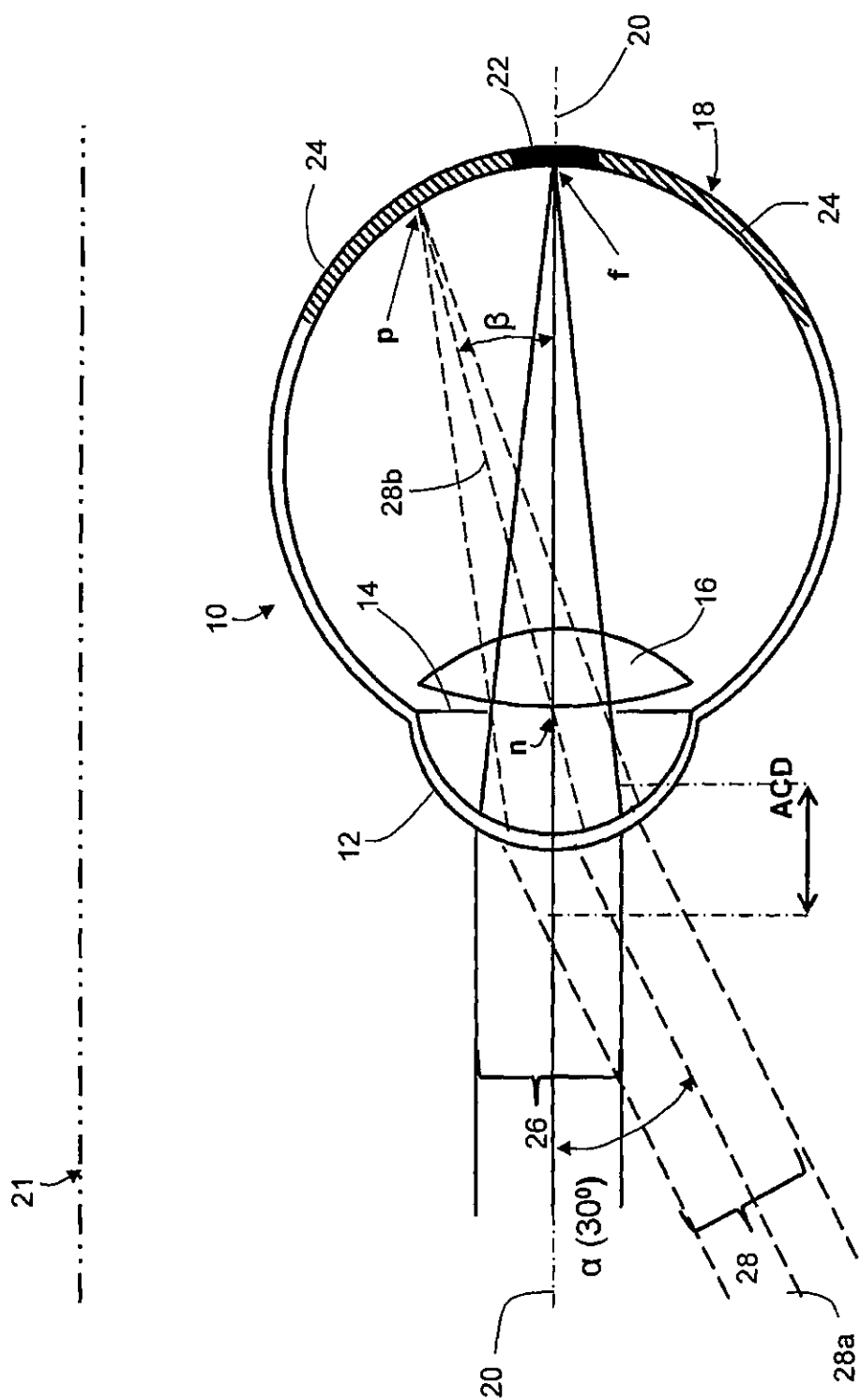
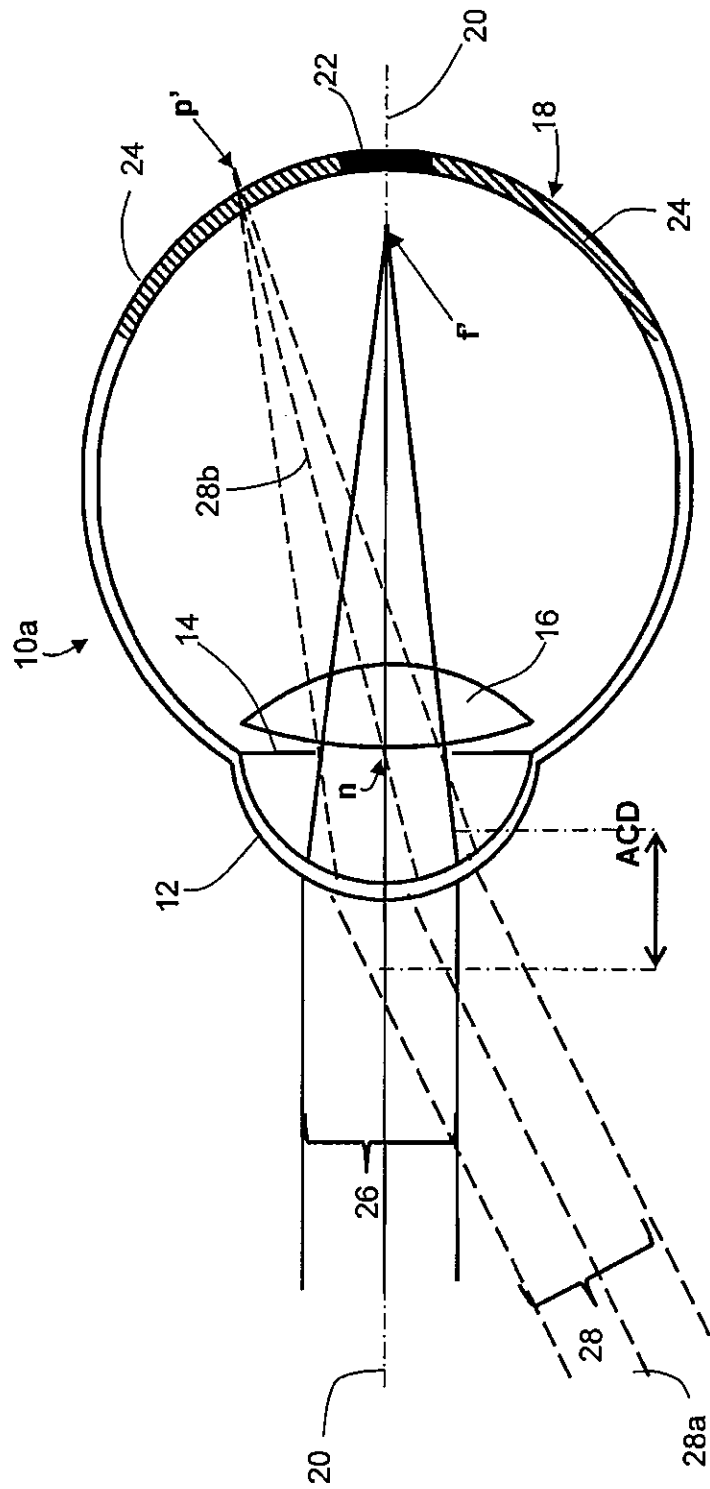


Fig. 1



**Fig. 2**



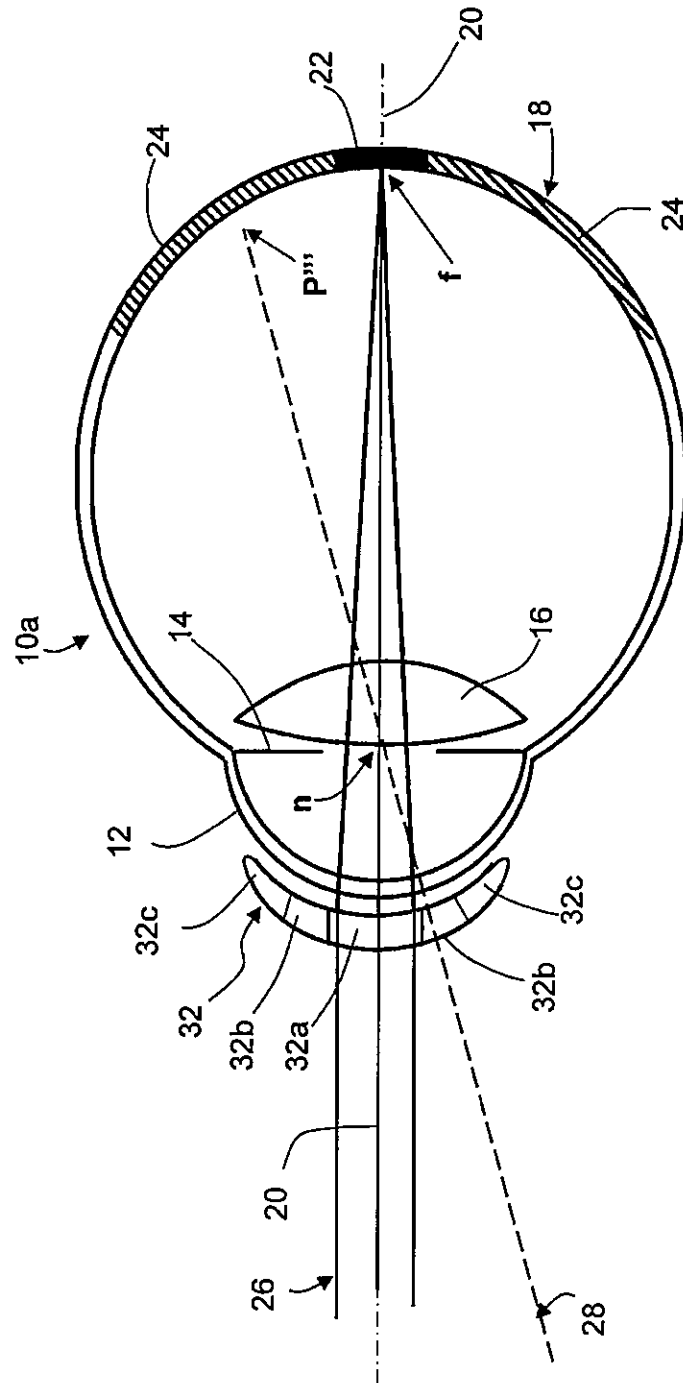


Fig. 4

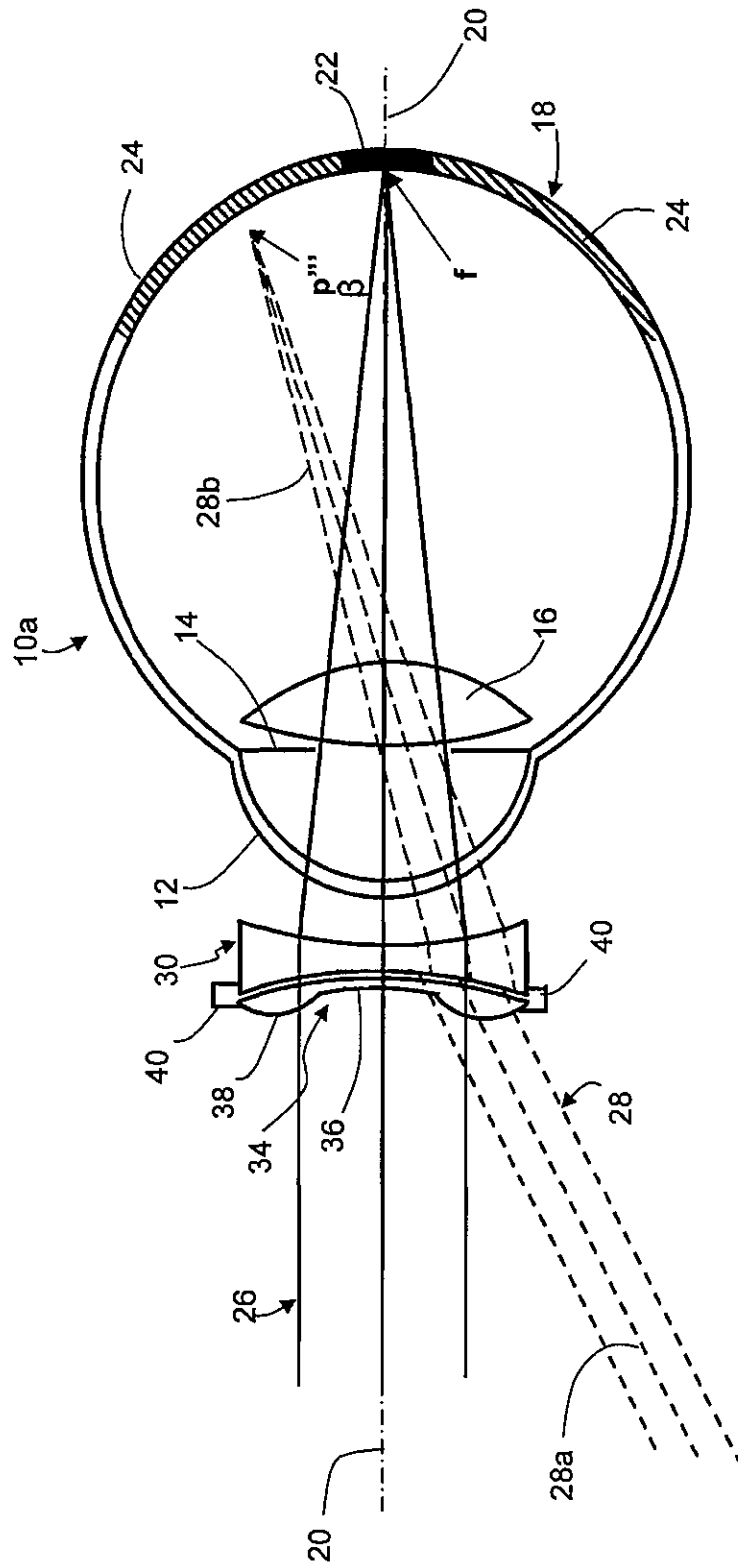


Fig. 5

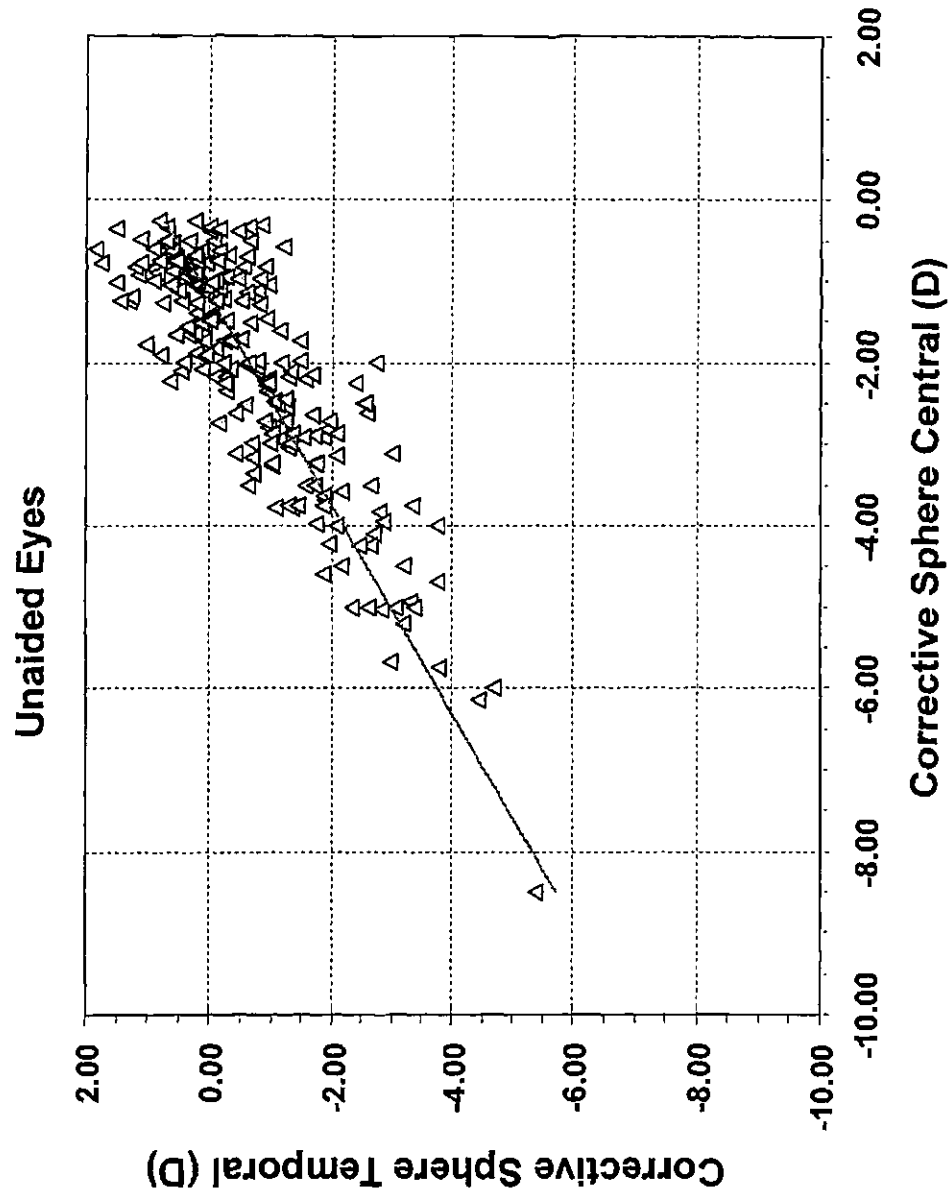


Fig. 6

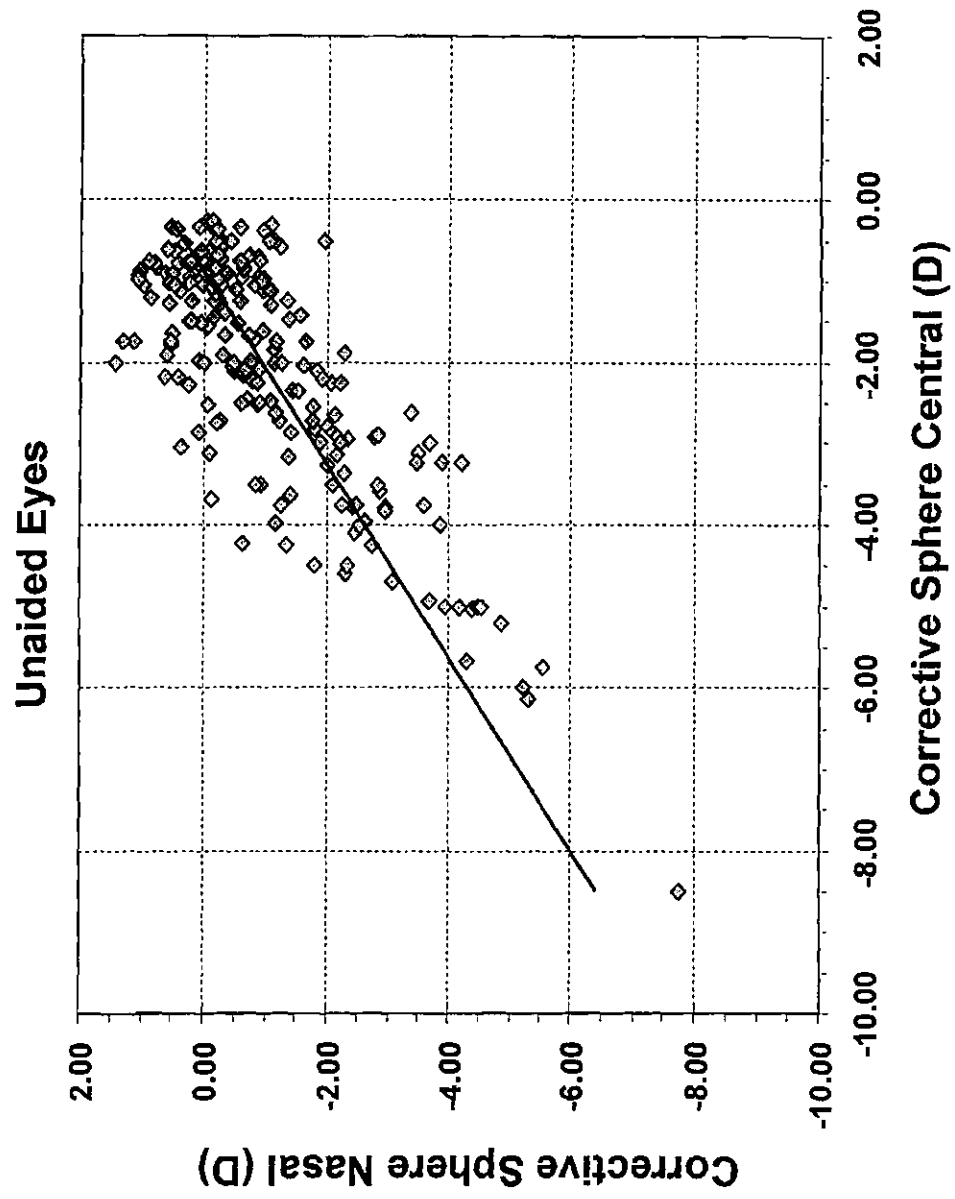


Fig. 7

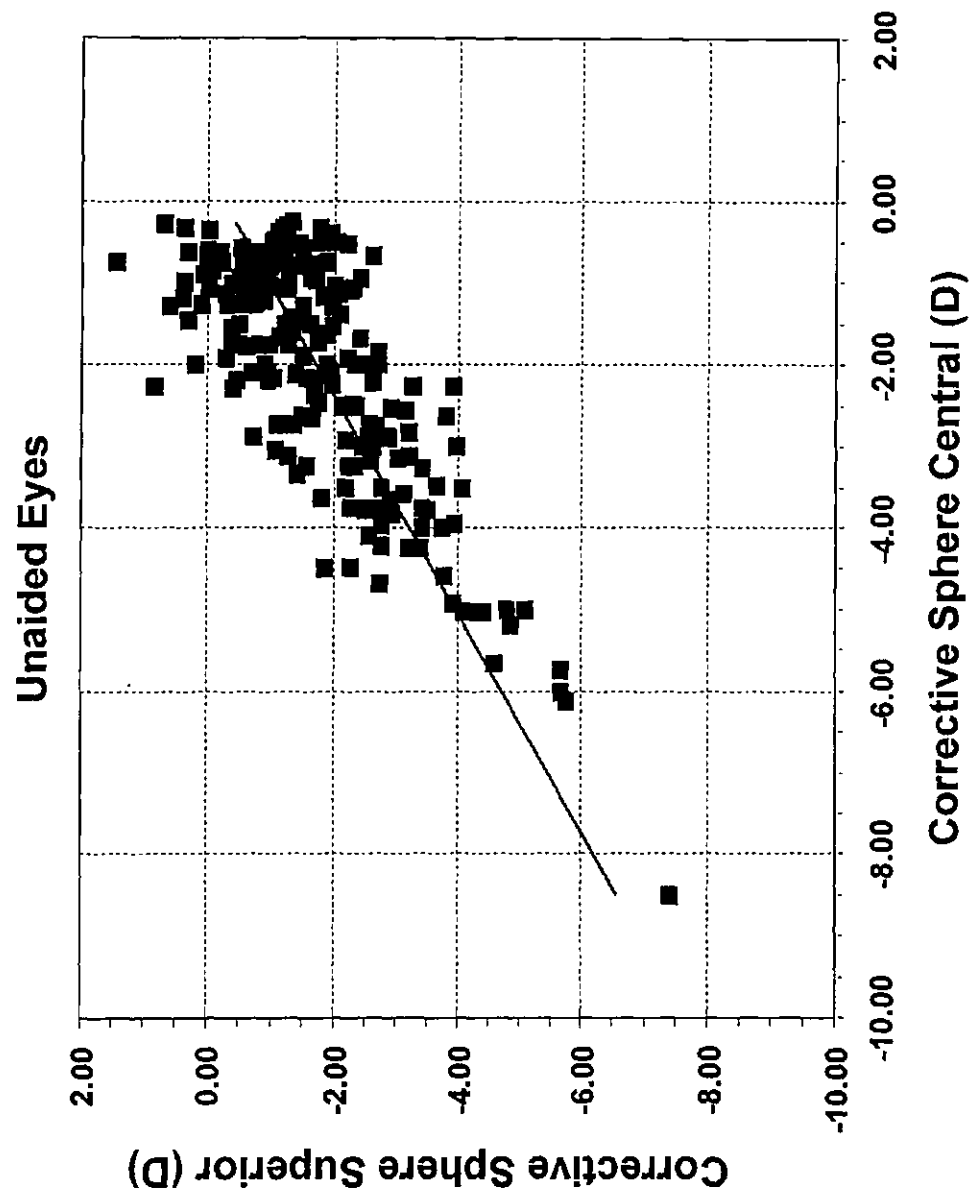
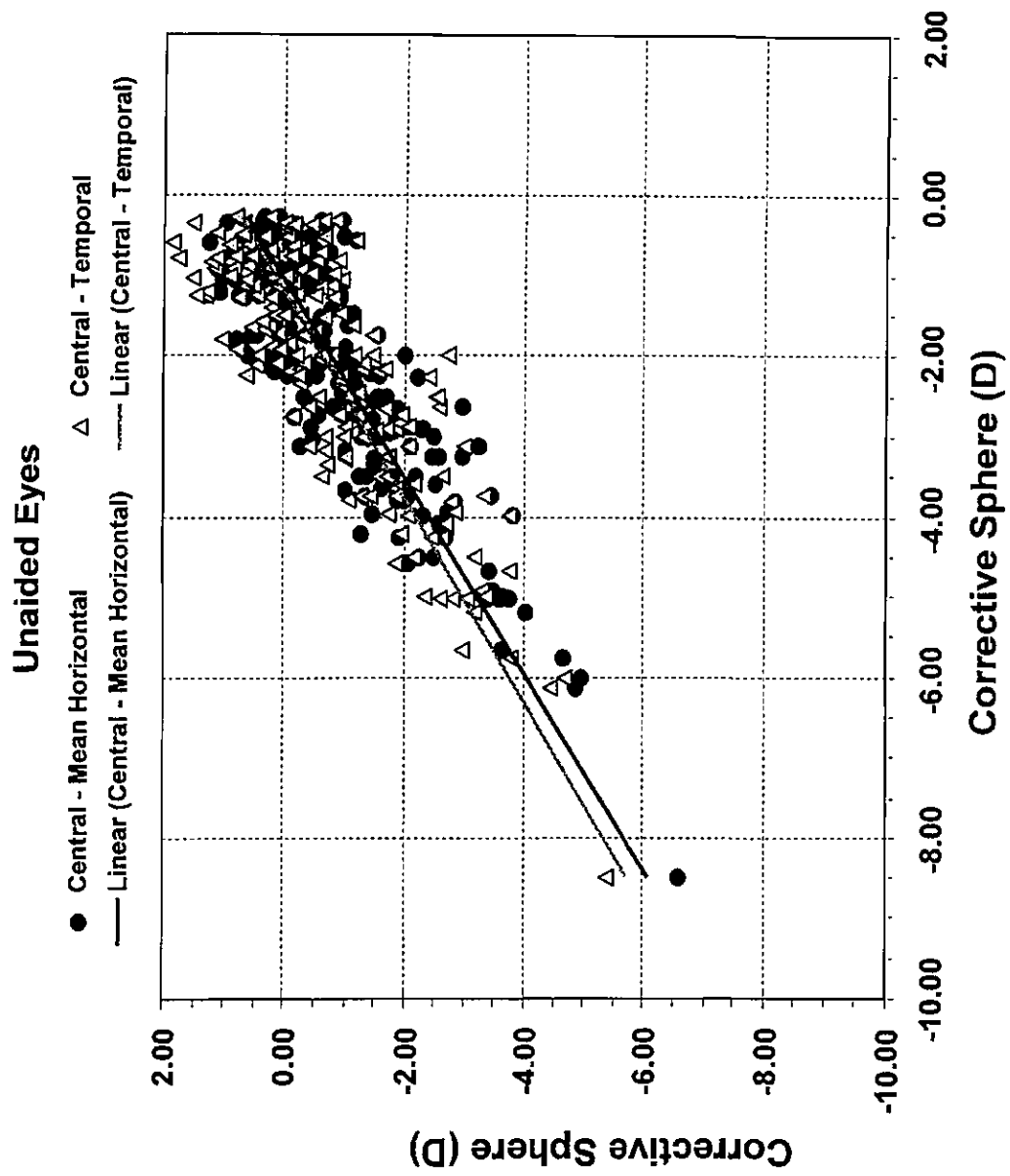
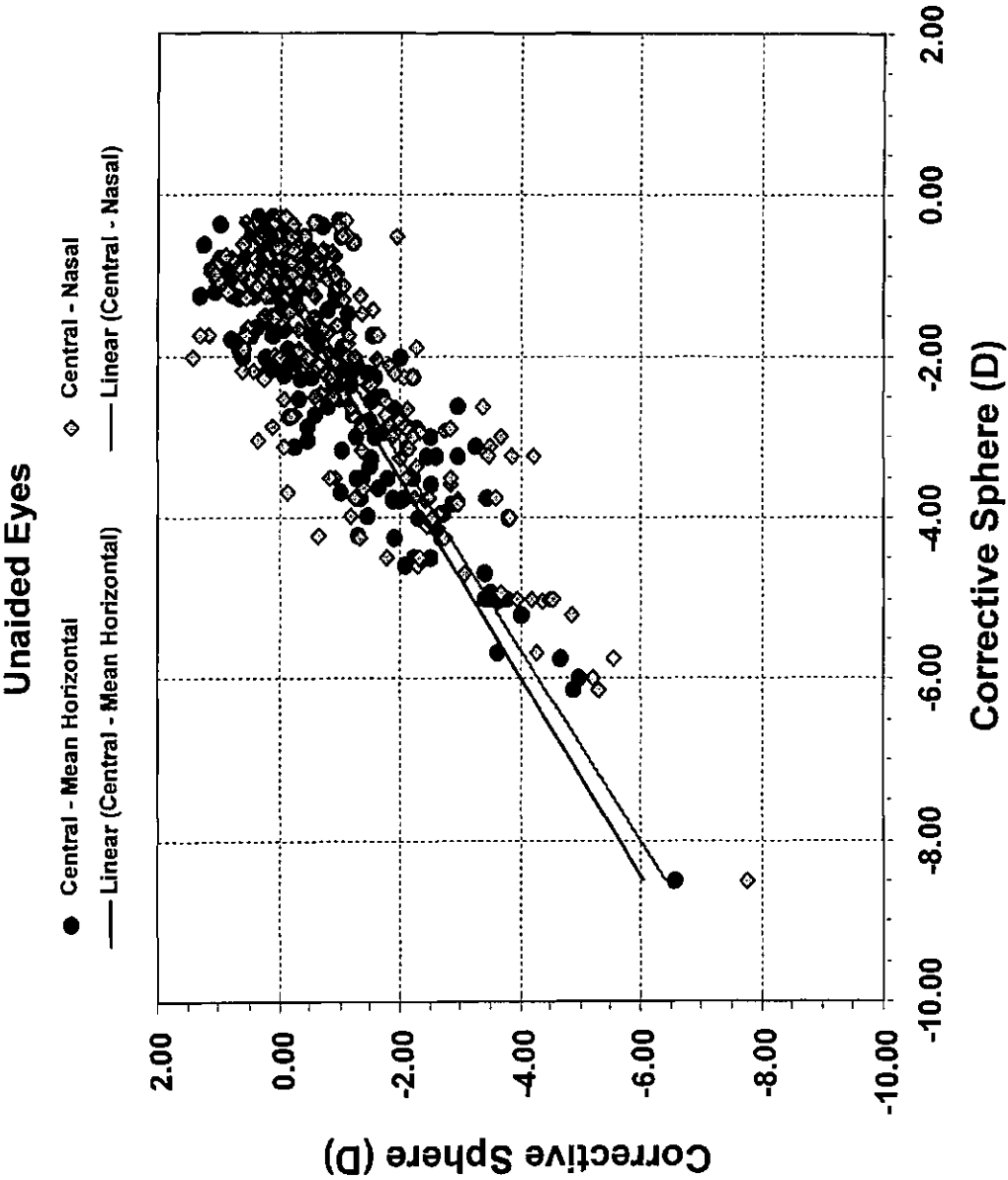


Fig. 8

**Fig. 9**



**Fig. 10**

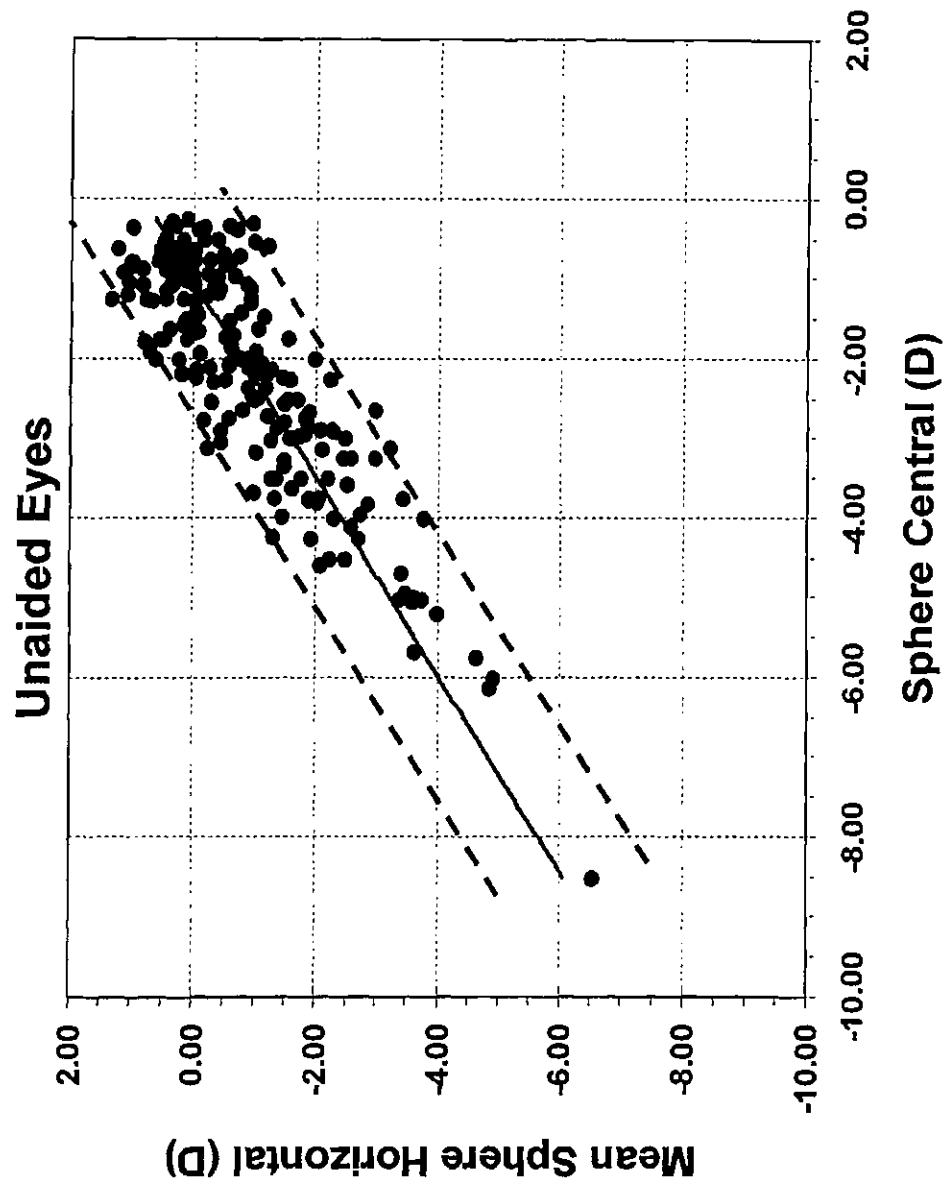


Fig. 11

| Central<br>Refractive<br>Error (D) | Median Peripheral<br>Refractive Error (D) | Median Script<br>(Survey) Cent/<br>Periph. | Add Stepped Peripheral Power / Defocus to Lens |                           |
|------------------------------------|-------------------------------------------|--------------------------------------------|------------------------------------------------|---------------------------|
|                                    |                                           |                                            | Mild (Add 1.0 to 2.5 D)                        | High (Add 1.50 to 3.00 D) |
| + 0.25                             | - 0.71                                    | - 0.25 / + 0.96                            | - 0.25 / + 1.00                                | - 0.25 / + 1.50           |
| + 0.50                             | - 0.46                                    | - 0.50 / + 0.96                            | - 0.50 / + 1.00                                | - 0.50 / + 1.50           |
| + 0.75                             | - 0.21                                    | - 0.75 / + 0.96                            | - 0.75 / + 1.00                                | - 0.75 / + 1.50           |
| + 1.00                             | - 0.34                                    | - 1.00 / + 1.34                            | - 1.00 / + 1.50                                | - 1.00 / + 2.00           |
| + 1.25                             | - 0.09                                    | - 1.25 / + 1.34                            | - 1.25 / + 1.50                                | - 1.25 / + 2.00           |
| + 1.50                             | - 0.02                                    | - 1.50 / + 1.52                            | - 1.50 / + 1.50                                | - 1.50 / + 2.00           |
| + 1.75                             | + 0.23                                    | - 1.75 / + 1.52                            | - 1.75 / + 1.50                                | - 1.75 / + 2.00           |
| + 2.00                             | + 0.64                                    | - 2.00 / + 1.36                            | - 2.00 / + 1.50                                | - 2.00 / + 2.00           |
| + 2.25                             | + 0.89                                    | - 2.25 / + 1.36                            | - 2.25 / + 1.50                                | - 2.25 / + 2.00           |
| + 2.50                             | + 1.16                                    | - 2.50 / + 1.34                            | - 2.50 / + 1.50                                | - 2.50 / + 2.00           |
| + 2.75                             | + 1.41                                    | - 2.75 / + 1.34                            | - 2.75 / + 1.50                                | - 2.75 / + 2.00           |
| + 3.00                             | + 1.19                                    | - 3.00 / + 1.81                            | - 3.00 / + 2.00                                | - 3.00 / + 2.50           |
| + 3.25                             | + 1.44                                    | - 3.25 / + 1.81                            | - 3.25 / + 2.00                                | - 3.25 / + 2.50           |
| + 3.50                             | + 1.80                                    | - 3.50 / + 1.70                            | - 3.50 / + 2.00                                | - 3.50 / + 2.50           |
| + 3.75                             | + 2.05                                    | - 3.75 / + 1.70                            | - 3.75 / + 2.00                                | - 3.75 / + 2.50           |
| + 4.00                             | + 1.90                                    | - 4.00 / + 2.10                            | - 4.00 / + 2.50                                | - 4.00 / + 3.00           |
| + 4.25                             | + 2.15                                    | - 4.25 / + 2.10                            | - 4.25 / + 2.50                                | - 4.25 / + 3.00           |
| + 4.50                             | + 2.84                                    | - 4.50 / + 1.66                            | - 4.50 / + 2.50                                | - 4.50 / + 3.00           |
| + 4.75                             | + 3.09                                    | - 4.75 / + 1.66                            | - 4.75 / + 2.50                                | - 4.75 / + 3.00           |
| + 5.00                             | + 2.83                                    | - 5.00 / + 2.17                            | - 5.00 / + 2.50                                | - 5.00 / + 3.00           |
| + 5.25                             | + 3.08                                    | - 5.25 / + 2.17                            | - 5.25 / + 2.50                                | - 5.25 / + 3.00           |
| + 5.50                             | + 3.33                                    | - 5.50 / + 2.17                            | - 5.50 / + 2.50                                | - 5.50 / + 3.00           |
| + 5.75                             | + 3.58                                    | - 5.75 / + 2.17                            | - 5.75 / + 2.50                                | - 5.75 / + 3.00           |
| + 6.00                             | + 4.31                                    | - 6.00 / + 1.69                            | - 6.00 / + 2.50                                | - 6.00 / + 3.00           |

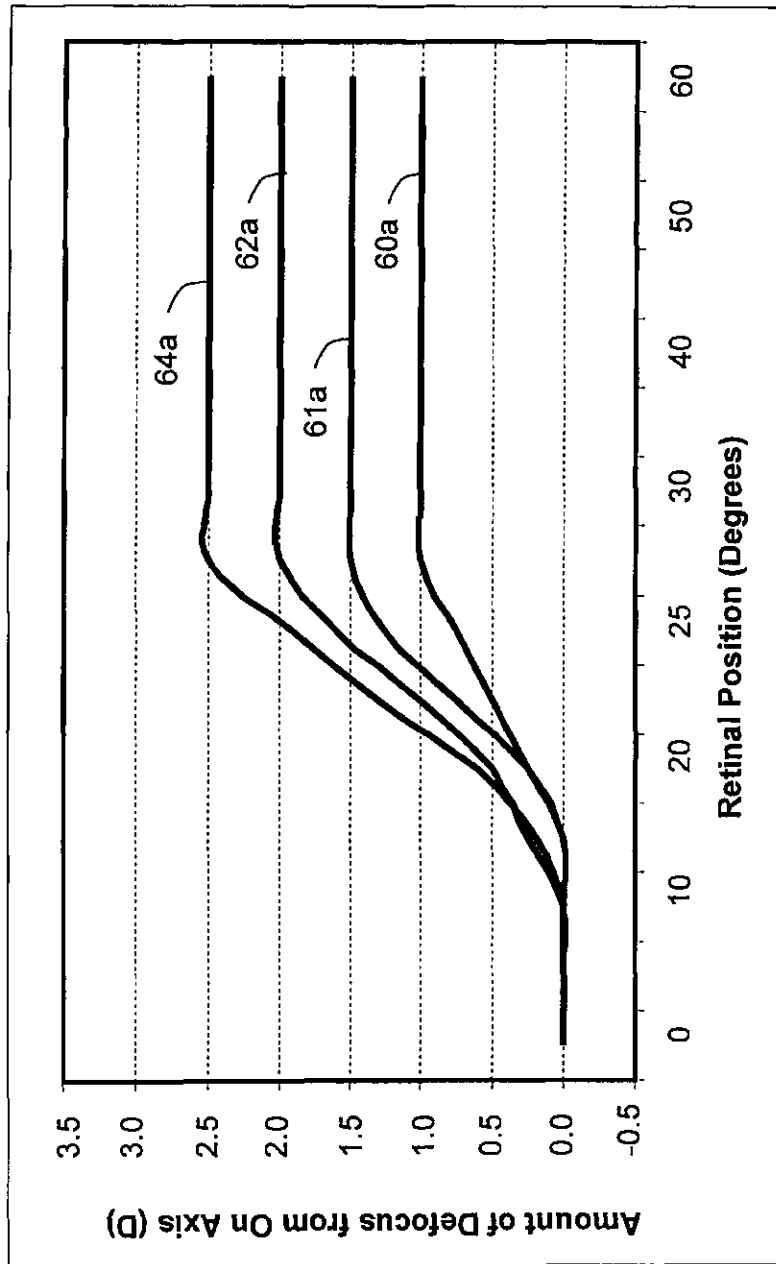
Rotationally Symmetrical Lens Designs

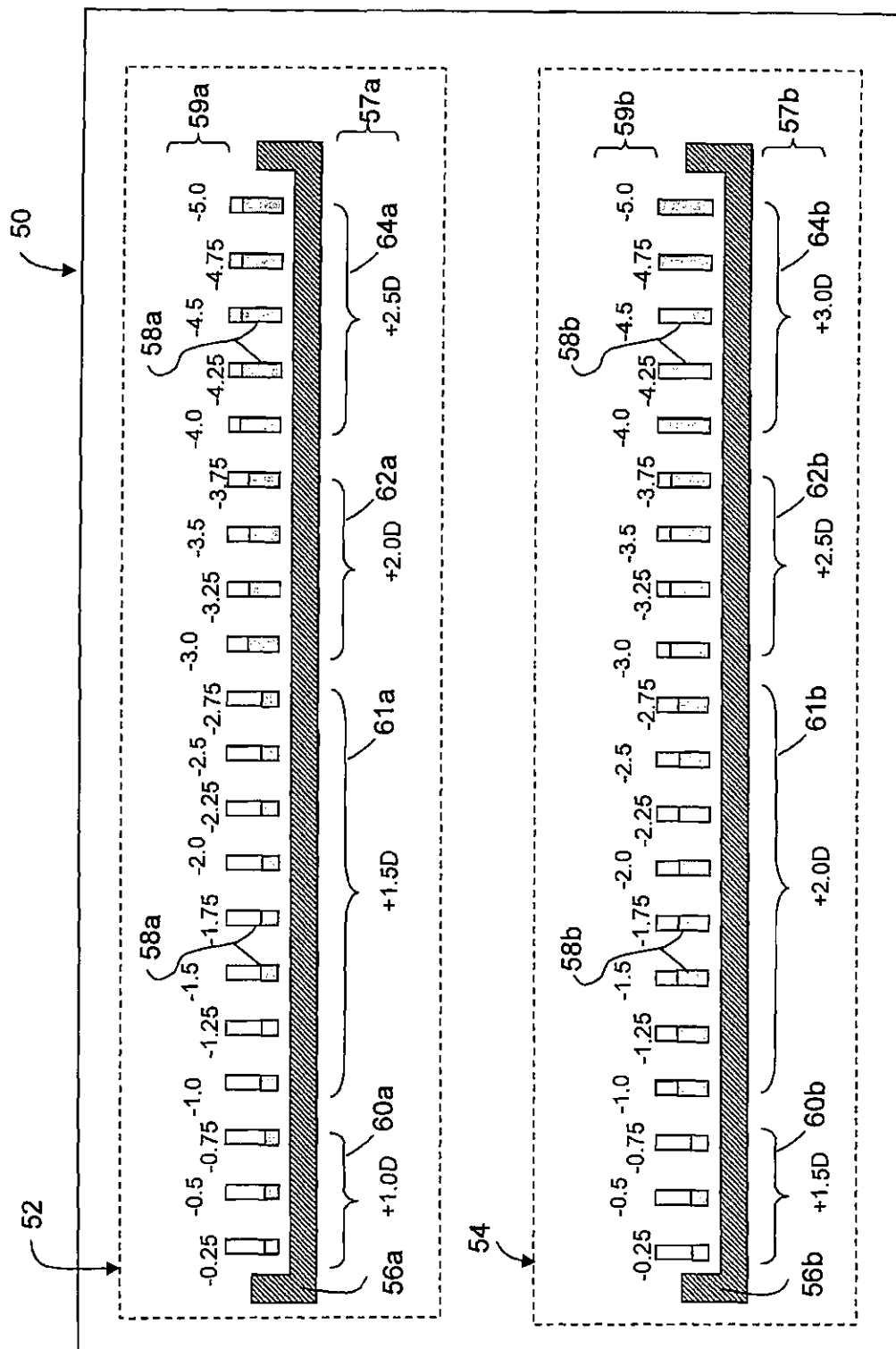
Fig. 12

| Central<br>Refractive<br>Error (D) | Median<br>Temporal<br>Refractive<br>Error (D) | Median Nasal<br>Refractive<br>Error (D) | Median Script<br>(Survey)<br>Prescription Cent.<br>/ Temporal | Median Script<br>(Survey)<br>Prescription Cent.<br>/ Nasal | Add Stepped Peripheral Power     |                               |
|------------------------------------|-----------------------------------------------|-----------------------------------------|---------------------------------------------------------------|------------------------------------------------------------|----------------------------------|-------------------------------|
|                                    |                                               |                                         |                                                               |                                                            | Temporal Chosen<br>Power/Defocus | Nasal Chosen<br>Power/Defocus |
| + 0.25                             | - 0.71                                        | - 0.43                                  | - 0.25 / + 0.96                                               | - 0.25 / + 0.68                                            | - 0.25 / + 1.50                  | - 0.25 / + 1.00               |
| + 0.50                             | - 0.46                                        | - 0.18                                  | - 0.50 / + 0.96                                               | - 0.50 / + 0.68                                            | - 0.50 / + 1.50                  | - 0.50 / + 1.00               |
| + 0.75                             | - 0.21                                        | + 0.07                                  | - 0.75 / + 0.96                                               | - 0.75 / + 0.68                                            | - 0.75 / + 1.50                  | - 0.75 / + 1.00               |
| + 1.00                             | - 0.34                                        | + 0.19                                  | - 1.00 / + 1.34                                               | - 1.00 / + 0.81                                            | - 1.00 / + 2.00                  | - 1.00 / + 1.50               |
| + 1.25                             | - 0.09                                        | + 0.44                                  | - 1.25 / + 1.34                                               | - 1.25 / + 0.81                                            | - 1.25 / + 2.00                  | - 1.25 / + 1.50               |
| + 1.50                             | - 0.02                                        | + 0.50                                  | - 1.50 / + 1.52                                               | - 1.50 / + 1.00                                            | - 1.50 / + 2.00                  | - 1.50 / + 1.50               |
| + 1.75                             | + 0.23                                        | + 0.75                                  | - 1.75 / + 1.52                                               | - 1.75 / + 1.00                                            | - 1.75 / + 2.00                  | - 1.75 / + 1.50               |
| + 2.00                             | + 0.64                                        | + 0.75                                  | - 2.00 / + 1.36                                               | - 2.00 / + 1.25                                            | - 2.00 / + 2.00                  | - 2.00 / + 1.50               |
| + 2.25                             | + 0.89                                        | + 1.00                                  | - 2.25 / + 1.36                                               | - 2.25 / + 1.25                                            | - 2.25 / + 2.00                  | - 2.25 / + 1.50               |
| + 2.50                             | + 1.16                                        | + 1.68                                  | - 2.50 / + 1.34                                               | - 2.50 / + 0.82                                            | - 2.50 / + 2.00                  | - 2.50 / + 1.50               |
| + 2.75                             | + 1.41                                        | + 1.93                                  | - 2.75 / + 1.34                                               | - 2.75 / + 0.82                                            | - 2.75 / + 2.00                  | - 2.75 / + 1.50               |
| + 3.00                             | + 1.19                                        | + 1.93                                  | - 3.00 / + 1.81                                               | - 3.00 / + 1.07                                            | - 3.00 / + 2.50                  | - 3.00 / + 1.50               |
| + 3.25                             | + 1.44                                        | + 2.18                                  | - 3.25 / + 1.81                                               | - 3.25 / + 1.07                                            | - 3.25 / + 2.50                  | - 3.25 / + 1.50               |
| + 3.50                             | + 1.80                                        | + 2.32                                  | - 3.50 / + 1.70                                               | - 3.50 / + 1.18                                            | - 3.50 / + 2.50                  | - 3.50 / + 2.00               |
| + 3.75                             | + 2.05                                        | + 2.57                                  | - 3.75 / + 1.70                                               | - 3.75 / + 1.18                                            | - 3.75 / + 2.50                  | - 3.75 / + 2.00               |
| + 4.00                             | + 1.90                                        | + 2.64                                  | - 4.00 / + 2.10                                               | - 4.00 / + 1.36                                            | - 4.00 / + 3.00                  | - 4.00 / + 2.00               |
| + 4.25                             | + 2.15                                        | + 2.89                                  | - 4.25 / + 2.10                                               | - 4.25 / + 1.36                                            | - 4.25 / + 3.00                  | - 4.25 / + 2.00               |
| + 4.50                             | + 2.84                                        | + 3.12                                  | - 4.50 / + 1.66                                               | - 4.50 / + 1.38                                            | - 4.50 / + 3.00                  | - 4.50 / + 2.00               |
| + 4.75                             | + 3.09                                        | + 3.37                                  | - 4.75 / + 1.66                                               | - 4.75 / + 1.38                                            | - 4.75 / + 3.00                  | - 4.75 / + 2.00               |
| + 5.00                             | + 2.83                                        | + 4.28                                  | - 5.00 / + 2.17                                               | - 5.00 / + 0.72                                            | - 5.00 / + 3.00                  | - 5.00 / + 2.00               |
| + 5.25                             | + 3.08                                        | + 4.53                                  | - 5.25 / + 2.17                                               | - 5.25 / + 0.72                                            | - 5.25 / + 3.00                  | - 5.25 / + 2.00               |
| + 5.50                             | + 3.33                                        | + 4.78                                  | - 5.50 / + 2.17                                               | - 5.50 / + 0.72                                            | - 5.50 / + 3.00                  | - 5.50 / + 2.00               |
| + 5.75                             | + 3.58                                        | + 5.03                                  | - 5.75 / + 2.17                                               | - 5.75 / + 0.72                                            | - 5.75 / + 3.00                  | - 5.75 / + 2.00               |
| + 6.00                             | + 4.31                                        | + 5.17                                  | - 6.00 / + 1.69                                               | - 6.00 / + 0.83                                            | - 6.00 / + 3.00                  | - 6.00 / + 2.00               |

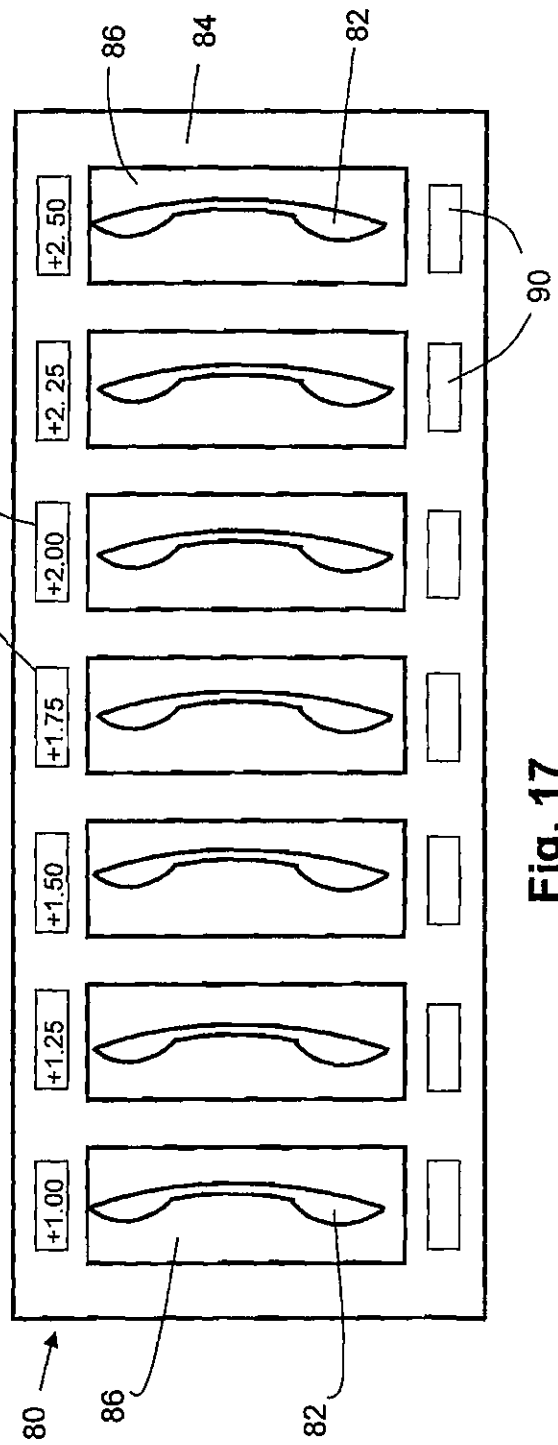
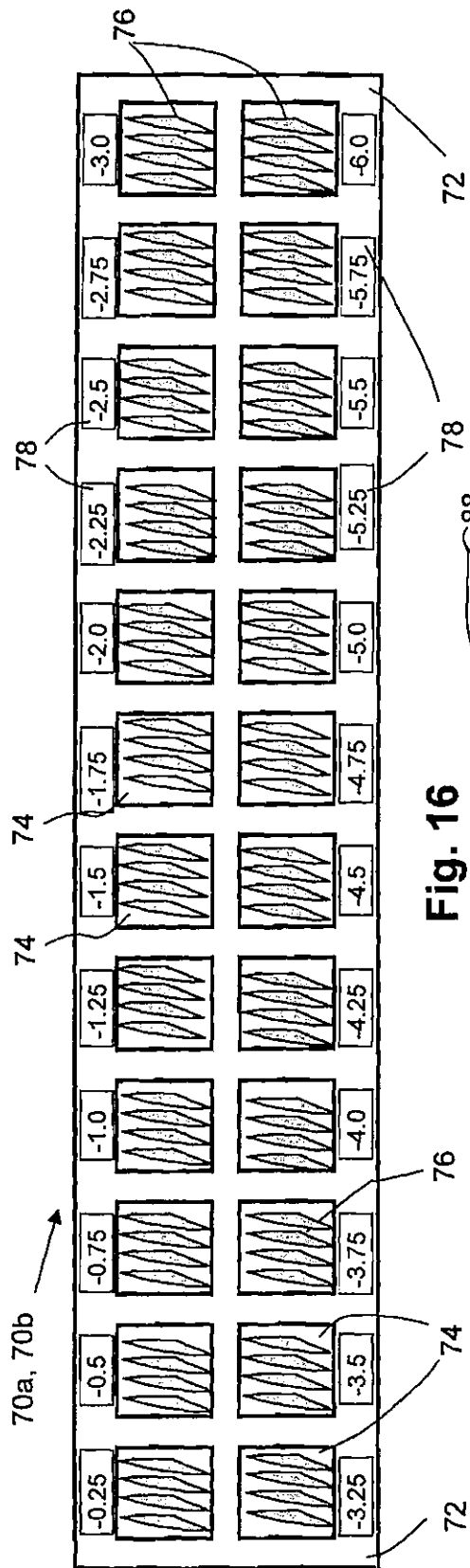
Rotationally Non-Symmetrical Lenses

Fig. 13

**Fig. 14**



**Fig. 15**



# Superior Retina

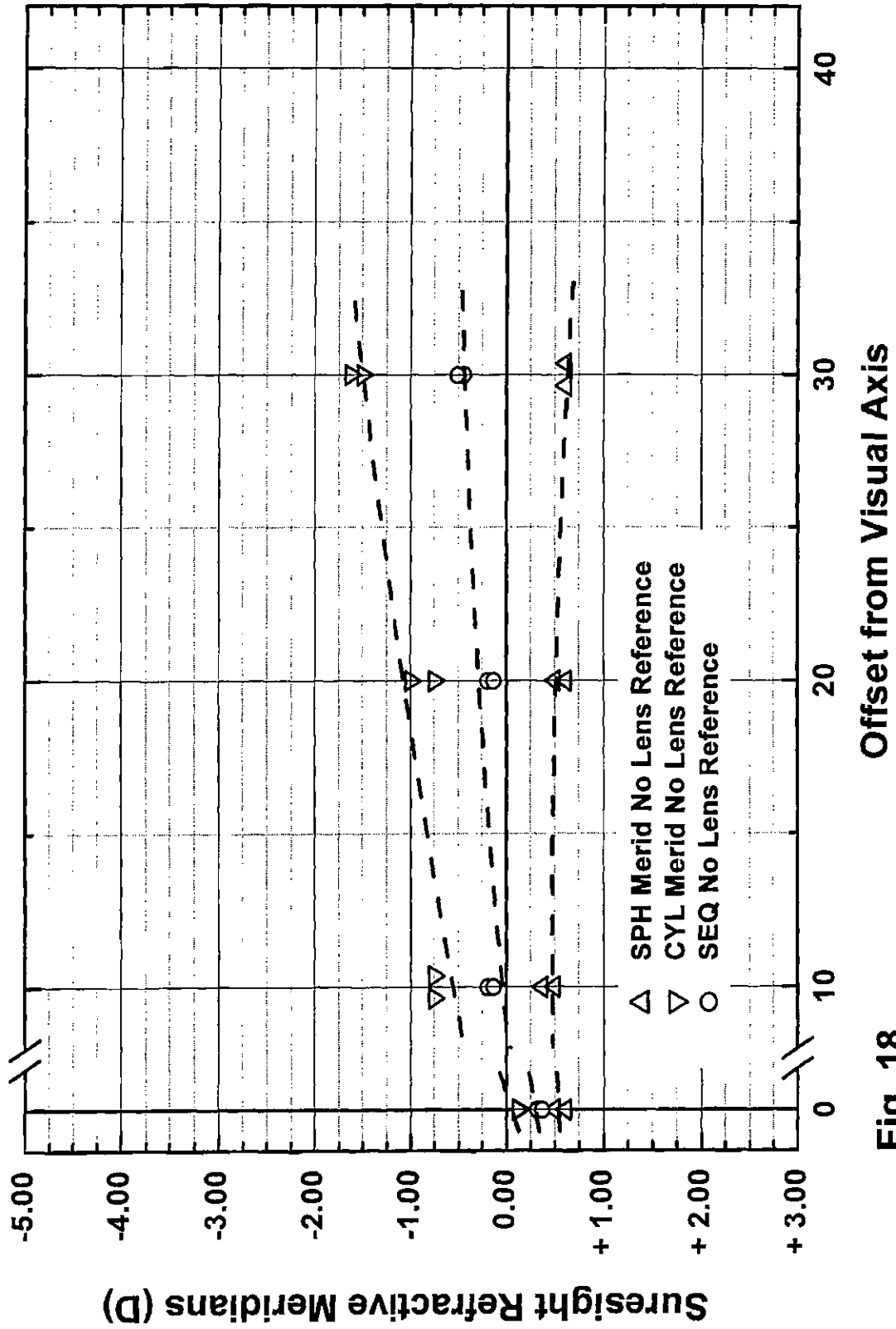


Fig. 18

# Superior Retina

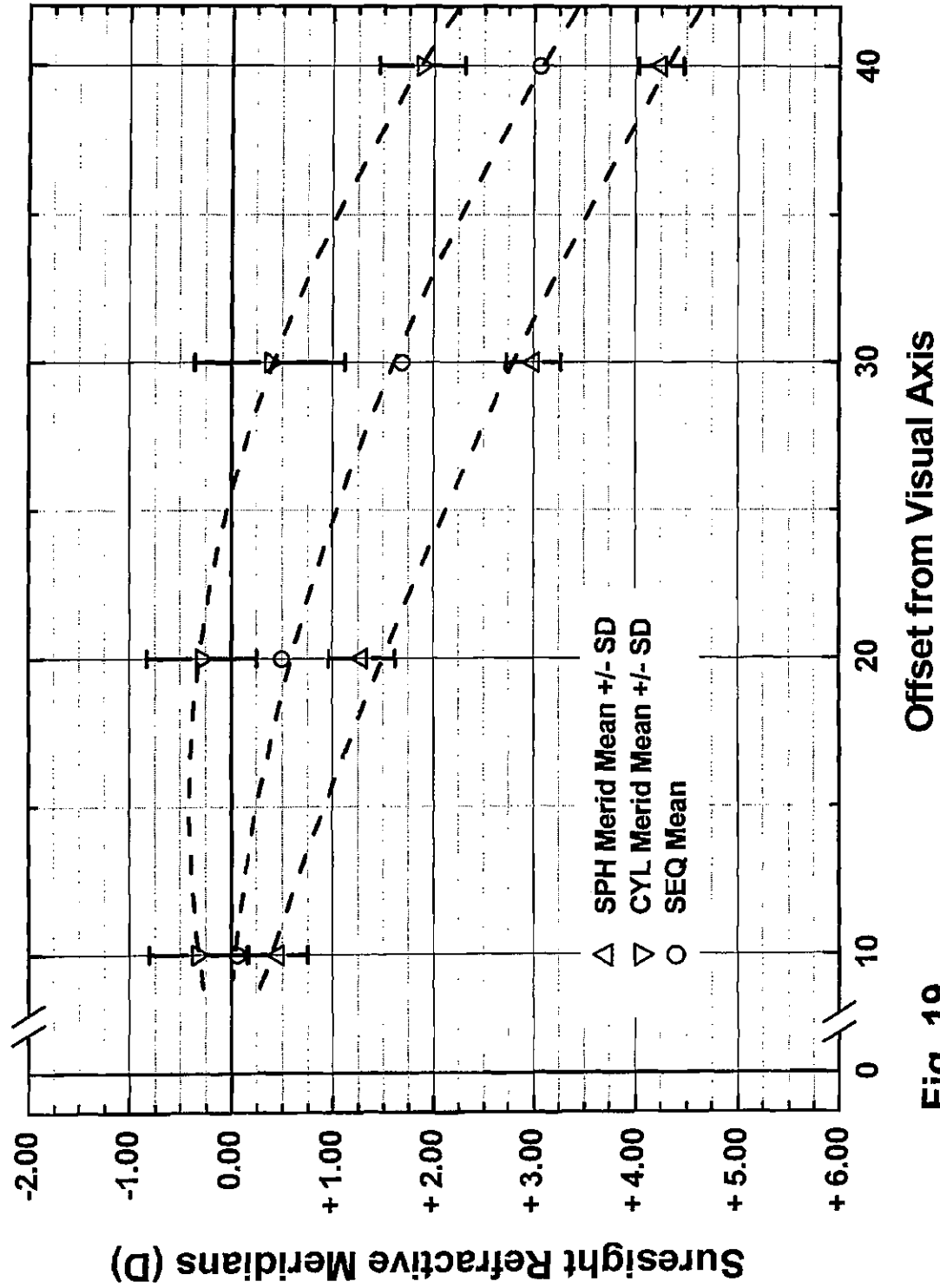


Fig. 19



# Superior Retina

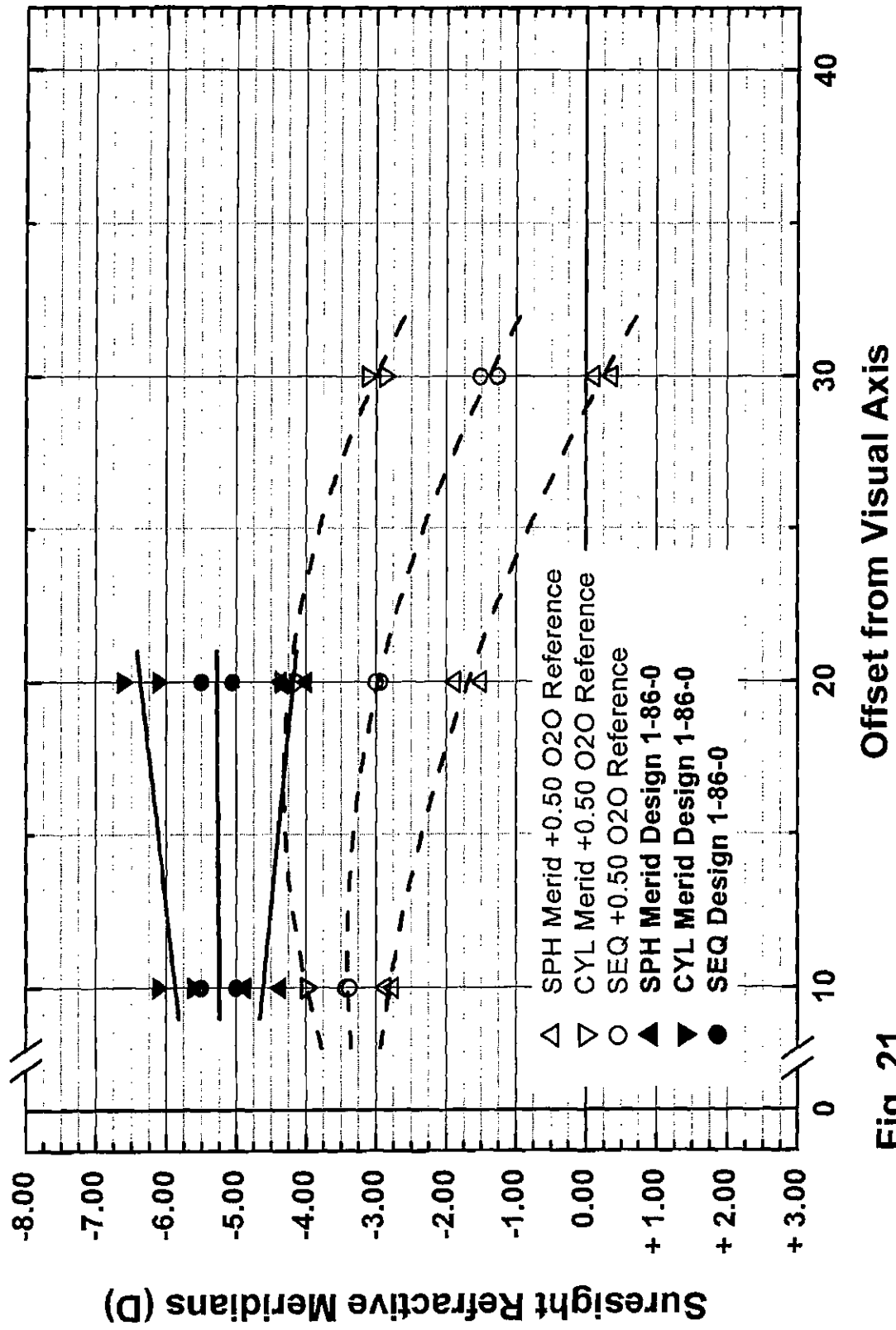


Fig. 21

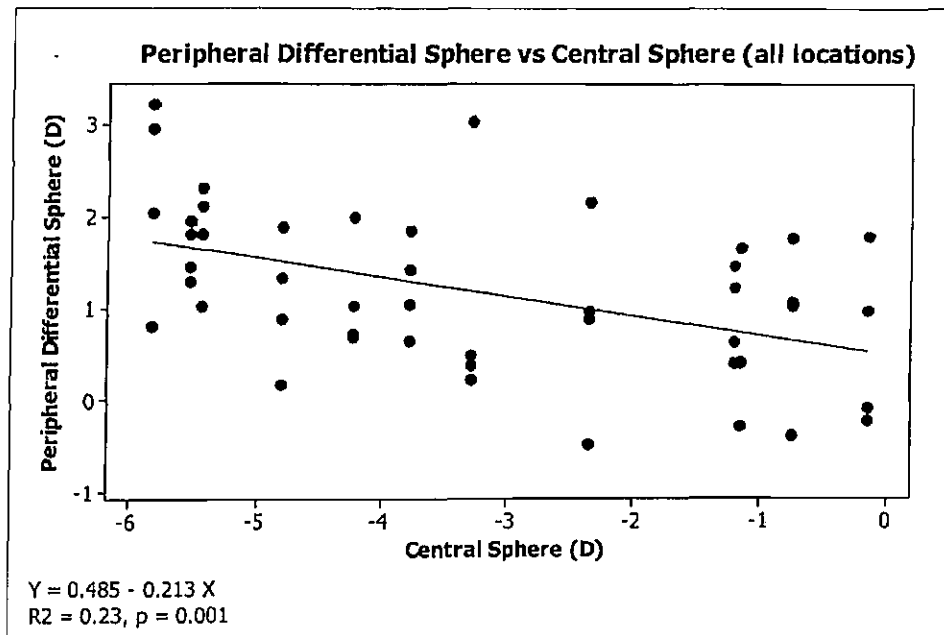


Fig. 22

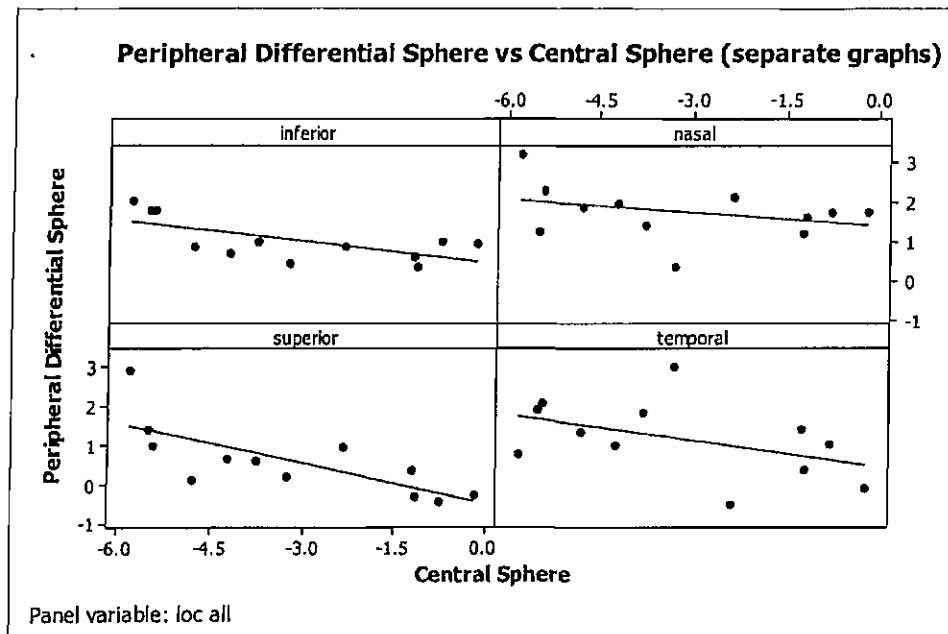
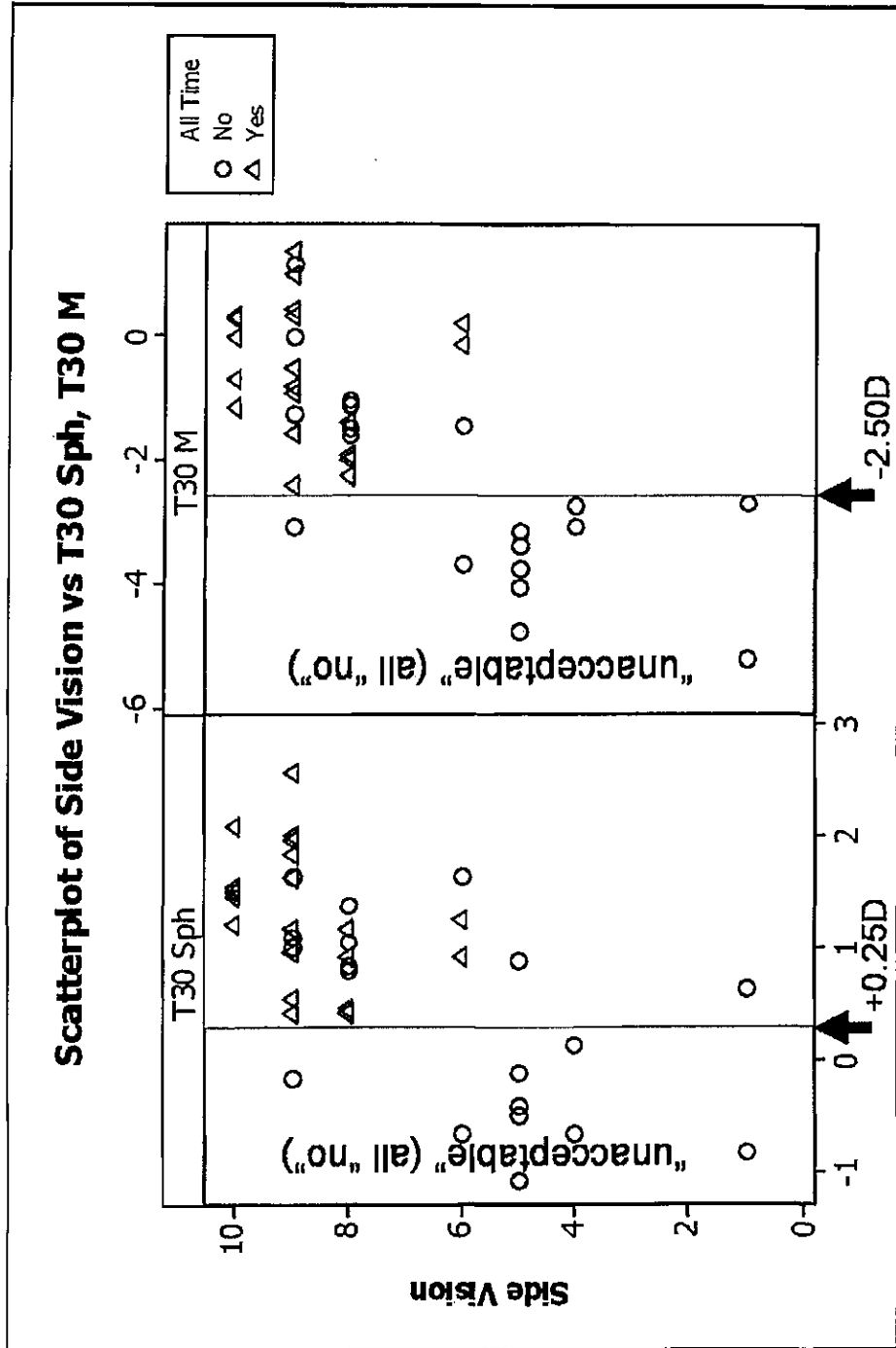


Fig. 23



### Increase in Sphere and Sphere Equivalent (SEQ) with Increase in Central Myopic Refractive Error

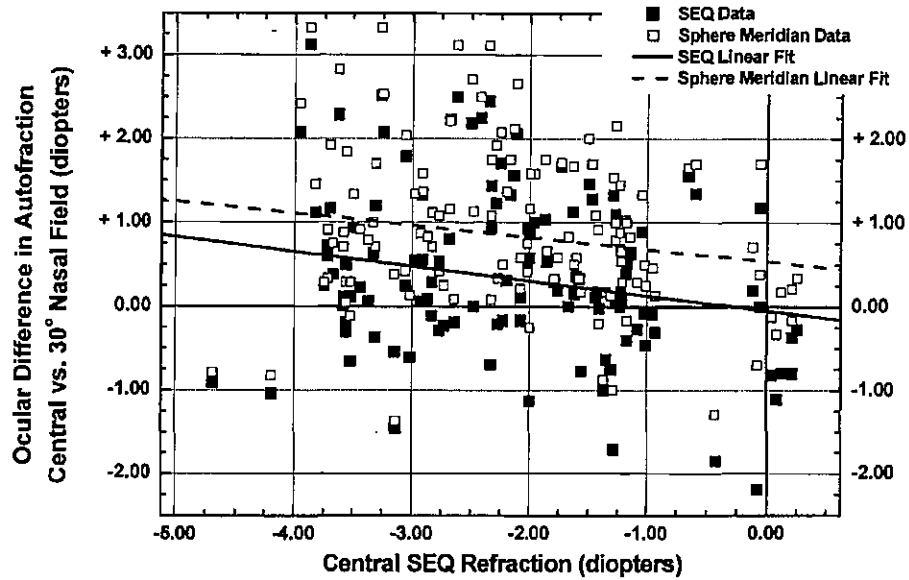


Fig. 25

### Increase in Peripheral Refractive SEQ Differential for Caucasian and Asian Eyes

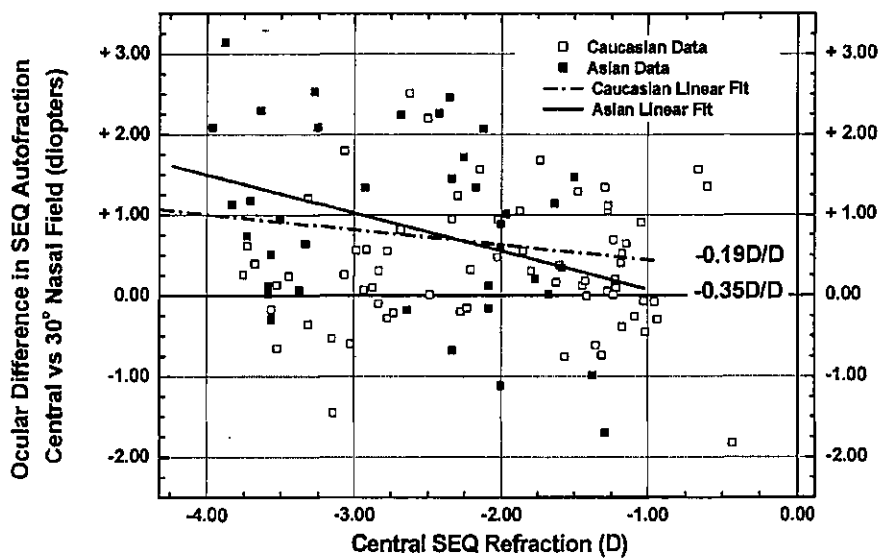


Fig. 26

### Variable Target Peripheral Refractive Differential Change Lens Design

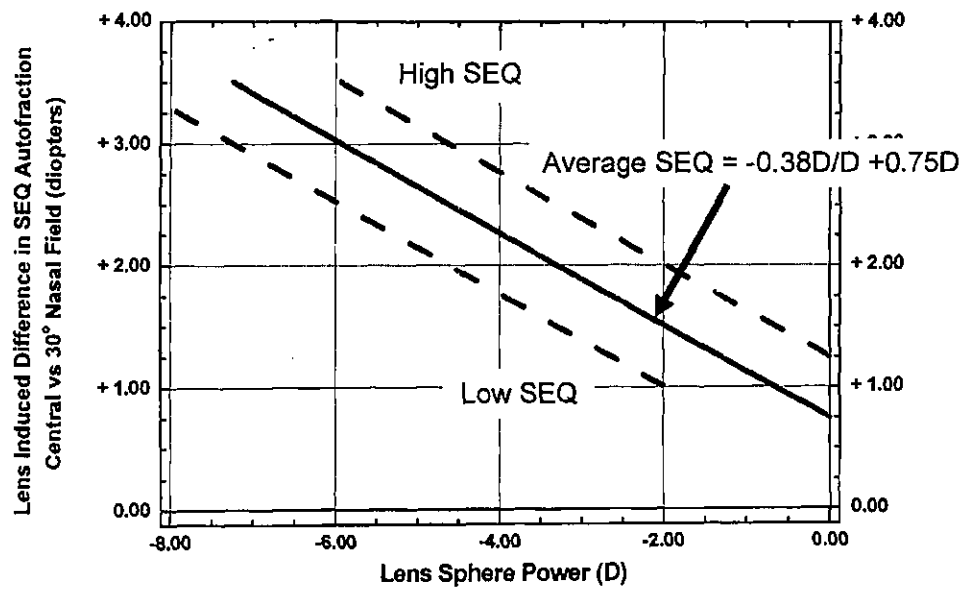


Fig. 27