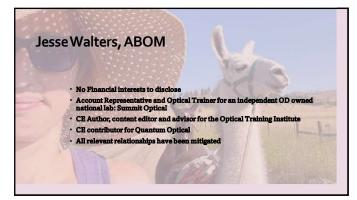
On behalf of Vision Expo, we sincerely thank you for being with us this year.

Vision Expo Has Gone Green!

We have eliminated all paper session evaluation forms. Please be sure to complete your electronic session evaluations online when you login to request your CE Letter for each course you attended! Your feedback is important to us as our Education Planning Committee considers content and speakers for future meetings to provide you with the best education possible.



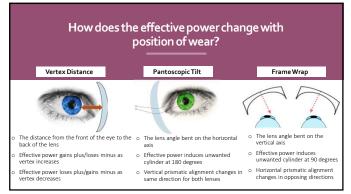
1



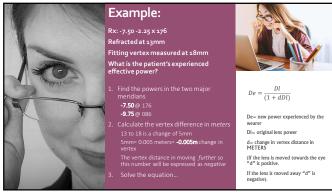
2







Effective Power Formula $De = \frac{Dl}{(1+dDl)}$ De= new power experienced by the wearer DI= original lens power d= change in vertex distance in METERS If the lens is moved towards the eye "d" is positive If the lens is moved away "d" is negative If the lens is negative If the lens is negative If the lens is negative If the





Effective Power Formula

o Minus lenses lose minus effective power as vertex

- The patient was prescribed and filled an Rx written at a refracted distance of 13mm, then wears then 5mm further than tested
- The Rx experienced by the patient is weaker than prescribed
- Larger lens powers and/or larger changes in fitting distances will change the effective power more dramatically
- This demonstrates a need to compensate the Rx to deliver the exam acuities...

-7.50 -2.25 x 176

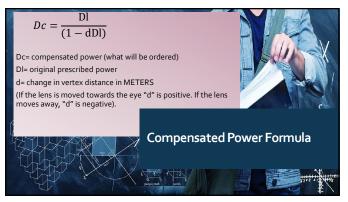
$$De = \frac{-7.50}{1 + (-0.005x - 7.50)} = \frac{-7.50}{1.0375} = -7.2289$$

$$De = \frac{-9.75}{1 + (-0.005 \quad .75)} = \frac{-9.75}{1.04875} = -9.2968$$

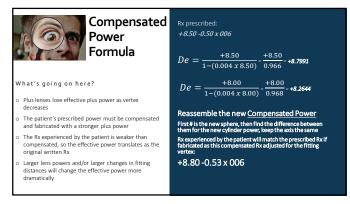
Reassemble the new Effective Power

First # is the new sphere, then find the difference between them for the new cylinder power, keep the axis the same Rx experienced by the patient as a result of vertex variance -7.23 -2.07 x 176

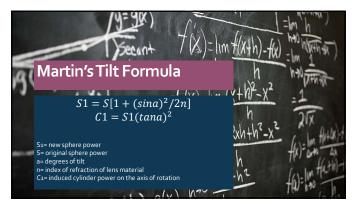
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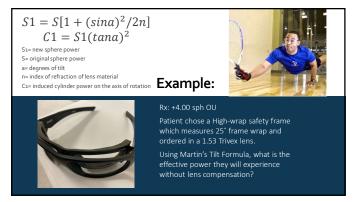


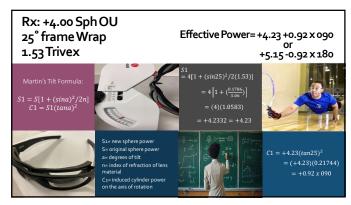


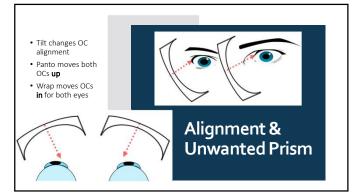




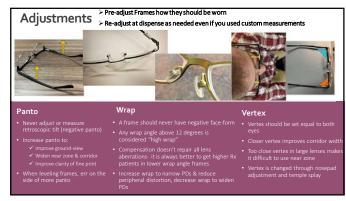














20

Troubleshooting

- Laser engravings on the back side of the lens- with exceptions
- Compensated Add sometimes marked on the lens
- Labs must provi
 compensation
- Larger powers and extreme adjustment cause more
- Lens compensations don't fit poorly selected or adjusted frames



