θ_{obj}

 θ_{gel}

 A_{obj}

 B_{obj}

 G_{obj}

 A_{gel}

 B_{gel}

 G_{gel}

 $\hat{\mathbf{n}}_g$

 $\hat{\mathbf{t}}_g$

 $\hat{\mathbf{n}}_o$

 $\hat{\mathbf{t}}_o$

 $\hat{\mathbf{e}}_x$

 $\hat{\mathbf{e}}_y$

 $\hat{\mathbf{e}}_z$

1