

$$\begin{aligned} {}_{\lambda}\nabla \underbrace{d_{\mu}\nabla + \bar{\lambda}\nabla}_{\lambda\nabla} &= {}_{\lambda}\nabla \left(\bar{\lambda} \right) \mu\nabla = {}_{\lambda}\nabla \underbrace{\nabla \nabla d\nabla}_{\lambda}^{\nu} \\ {}_{\lambda}\nabla \left(\bar{\lambda} \right) \mu\nabla \nabla^{\nu} &= \underbrace{\nabla \nabla d\nabla}_{\lambda}^{\nu} \end{aligned}$$

$${}_m\mathfrak{A} \underbrace{d + \bar{\lambda}}_{\lambda\nabla} = {}_{\lambda}\nabla {}_m(\nabla d\nabla)^n {}_n\mathfrak{A}$$

$$\begin{aligned} \text{LHS} &= \underbrace{{}_m\mathfrak{A}^{\mu} \mu\nabla}_{\lambda\nabla} \underbrace{d + \bar{\lambda}}_{\lambda\nabla} = {}_{\lambda}\nabla {}_m \underbrace{{}_m\mathfrak{A}^{\mu} \mu\nabla^z}_{\lambda} + \underbrace{{}_m\tilde{\mathfrak{A}}^{\mu} \mu\nabla}_{\lambda} \bar{\lambda}\nabla = \\ &\quad \underbrace{{}_{\lambda}\nabla {}_m \tilde{\mathfrak{A}}^{\mu}}_{\lambda\nabla} \mu\nabla {}_{\lambda}\nabla + {}_m\tilde{\mathfrak{A}}^{\mu} \underbrace{{}_{\mu}\nabla \bar{\lambda}\nabla}_{\lambda\nabla} = \underbrace{{}_{\lambda}\nabla {}_m \tilde{\mathfrak{A}}^{\mu} + {}_m\tilde{\mathfrak{A}}^{\mu} \underbrace{\nabla \nabla d\nabla}_{\lambda}}_{\mu}^{\nu} \nabla = \\ &\quad {}_{\lambda}\nabla \left(d {}_m\mathfrak{A}^{\mu} + {}_m\mathfrak{A}^{\mu} \underbrace{\nabla \nabla d\nabla}_{\lambda}^{\nu} \right) {}_{\nu}\nabla^n {}_n\mathfrak{A} = {}_{\lambda}\nabla {}_m(\nabla d\nabla)^n {}_n\mathfrak{A} \end{aligned}$$

$${}_m\mathfrak{A} \underbrace{d + \bar{\lambda}}_{\ell\mathfrak{A}} = \underbrace{\nabla d\nabla}_{\ell}^n {}_n\mathfrak{A}$$

$$\text{LHS} = {}_m\mathfrak{A} \underbrace{d + \bar{\lambda}}_{\ell\mathfrak{A}^{\lambda} \lambda\nabla} = {}_{\ell}\mathfrak{A}^{\lambda} \underbrace{{}_m\mathfrak{A} \underbrace{d + \bar{\lambda}}_{\lambda\nabla}}_{\lambda\nabla} = {}_{\ell}\mathfrak{A}^{\lambda} \underbrace{{}_{\lambda}\nabla {}_m \underbrace{\nabla d\nabla}_{\lambda}^n {}_n\mathfrak{A}}_{\lambda\nabla} = {}_{\ell}\mathfrak{A} \underbrace{{}_m \nabla d\nabla}_{\ell}^n {}_n\mathfrak{A} = \underbrace{{}_m \nabla d\nabla}_{\ell}^n {}_n\mathfrak{A}$$