Appendix A

Tables

	$\hat{x}$	$\hat{y}$	$\hat{z}$
$\hat{r}$	$+\sin\theta\,\cos\phi$	$+\sin\theta\,\sin\phi$	$+\cos\theta$
$\hat{\theta}$	$+\cos\theta\,\cos\phi$	$+\cos\theta\,\sin\phi$	$-\sin\theta$
$\hat{\phi}$	$-\sin\phi$	$+\cos\phi$	0
$\hat{\rho}$	$+\cos\phi$	$+\sin\phi$	0

Table A.1 Matrix elements $\hat{c}^i \cdot \hat{e}^j$ and $\hat{s}^i \cdot \hat{e}^j$.

	$\hat{r}$	$\hat{\theta}$	$\hat{\phi}$
$\partial/\partial r$	0	0	0
$\partial/\partial\theta$	$+\hat{\theta}$	$-\hat{r}$	0
$\partial/\partial\phi$	$+\hat{\phi}\,\sin(\theta)$	$+\hat{\phi}\,\cos\theta$	$-\hat{\rho} = -\hat{r}\,\sin\theta - \hat{\theta}\,\cos\theta$

Table A.2 The derivatives $\partial\hat{s}^j/\partial s^i$.

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