Expressions for Anomaly

From superfields

$$-2i\,\frac{N}{4\pi}\,F_{03}\,\mathrm{Arg}\,\sqrt{2}\sigma$$

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$$4i \frac{N}{4\pi} \frac{\operatorname{Im} \sqrt{2}\sigma}{\left|\sqrt{2}\sigma\right|} F_{03} \simeq 4i \frac{N}{4\pi} F_{03} \operatorname{Arg} \sqrt{2}\sigma$$

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$$-2\frac{N}{4\pi}F_{03}\frac{\mathrm{Im}\sqrt{2}\sigma}{\left|\mathrm{Re}\sqrt{2}\sigma\right|} \simeq -2\frac{N}{4\pi}F_{03}\mathrm{Arg}\sqrt{2}\sigma$$