$$
\begin{aligned}
\sum_{n=1}^{\infty} \frac{(-1)^{n(k+1)}}{F_{n} F_{n+1} \cdots F_{n+2 k+1}}= & \frac{1}{(F)_{2 k}} \sum_{j=0}^{2 k}(-1)^{\frac{1}{2} j(j+1)-j k}\left\{\begin{array}{c}
2 k \\
j
\end{array}\right\} A_{2 k-j+1} \\
& -\frac{1}{(F)_{2 k}} \sum_{j=0}^{2 k}(-1)^{\frac{1}{2} j(j+1)-j k}\left\{\begin{array}{c}
2 k \\
j
\end{array}\right\} \\
& \cdot \sum_{n=1}^{j} \frac{(-1)^{n}}{F_{n} F_{n+2 k-j+1}}
\end{aligned}
$$

where now $\left\{\begin{array}{c}2 \mathrm{k} \\ \mathrm{j}\end{array}\right\}$ and $\mathrm{A}_{2 \mathrm{k}-\mathrm{j}+1}$ are expressed in terms of Fibonacci numbers. REFERENCE

1. Brother Alfred Brousseau, "Summation of Infinite Fibonacci Series," Fibonacci Quarterly, Vol. 7 (1969), pp. 143-168.
[Continued from page 476.]
$\rho=1$ stems from its application to the partitioning of integers into distinct Fibonacci numbers. These applications are investigated in the papers listed in References. When $\rho$ is a root of unity, series (1) again has partition theoretic congruence which we exploited to some extent in Section 5.

## REFERENCES

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2. L. Carlitz, "Fibonacci Representations - II," Fibonacci Quarterly, Vol. 8, 1970, pp. 113-134.
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